Sensor Field Data Tables

List of Acronyms

Acronym	Meaning
MR	Sensor is manually reset after an alarm
MSA	Mine Safety Appliances
NA	Not applicable to the sensor being tested
NP	Not programmed for pump shut-down
NT	Not tested
PSD	Pump shut-down
Rec	Recovery time (in seconds)
Resp	Response time (in seconds)
UDC	Under-dispenser containment
Unk	Unknown. Data was unavailable

List of Definitions

Term	Definition
Flip Test	Sensor was tested by flipping it over
Heights	All liquid levels are reported in inches
High Test	High-level water testing
Low Test	Low-level water testing. For single-level sensors tested in water, test data will be recorded in this column
Product	Sensor was tested in product
Site ID #200	The 67 sensors tested during Phase I (Veeder-Root discriminating sensors) are included in this database under Site ID# 200
Times	All response and recovery times are reported in seconds

APPENDIX VI, TABLE 1
Summary of All Failures

TABLE 1 - Summary of All Failures

Make Site ID / Model		Discriminating	At Low Point	Wired Properly	Flip Test Result	Flip PSD	Low Test Result	Low PSD	High Test Result	High PSD	Product Result	Product PSD	After testing sensor was
Alpha wire													
92	Unk	☑	Yes	Yes	Fail	NP	NT	NT	NA	NA	NT	NT	Re-Installed
Beaudreau													
82	406	☐	No	Yes	NA	NA	NT	NT	NA	NA	NT	NT	Unk
10	406	☐	Yes	Yes	NA	NA	Fail	NA	NA	NA	NT	NT	Re-Installed
Led indicator light was working on sensor, indicating that the wiring was properly connected. Sensor was reinstalled, meaning local agency has to follow up.													
10	406	☐	Yes	Yes	NA	NA	Fail	NA	NA	NA	NT	NT	Re-Installed
Led indicator light was working on sensor, indicating that the wiring was properly connected. Sensor was reinstalled, meaning local agency has to follow up.													
10	406	☐	Yes	Yes	NA	NA	Fail	NA	NA	NA	NT	NT	Re-Installed
Led indicator light was working on sensor, indicating that the wiring was properly connected. Sensor was reinstalled, meaning local agency has to follow up.													
Gilbarco													
28	PA02591144000	☐	Yes	Yes	Fail	NP	NT	NT	NA	NA	NT	NT	Replaced
Sensors was replaced by contractor two days after the inspection.													
28	PA02592000000	☐	Yes	Yes	Fail	No	NT	NT	NA	NA	NT	NT	Replaced
Sensors was replaced by contractor two days after the inspection and positive shut down was rewired.													
28	PA02592000000	☐	Yes	Yes	Fail	No	NT	NT	NA	NA	NT	NT	Replaced
Sensors was replaced by contractor two days after the inspection and positive shut down was rewired.													
98	PA02592000010	☐	No	Yes	NT	NT	Pass	Yes	NA	NA	NT	NT	Re-Installed
3-4 inches of water on both sides of sump (low spots of tank top).													
98	PA02592000010	☐	No	Yes	NT	NT	Pass	Yes	NA	NA	NT	NT	Re-Installed
2-3 inches of water on both sides of sump (low spots of tank top).													
24	PA02592000010	☐	Yes	Yes	Fail	No	NT	NT	NA	NA	NT	NT	Repaired
Relay was stuck, so the PSD failed when tested. It passed when re-tested.													
Incon													
16	TSP-ULS	☐	No	No	NT	NT	NT	NT	Fail	Yes	NT	NT	Repaired
Sensor was turned off when technician conducted the test. Sensor appears to have been turned due to water in the UDC. After turning the sensor on, it passed.													
35	TSP-ULS	☐	No	Yes	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
The sump was full of diesel approximately 9 1/2 inches deep. The sensor was set at the top of the sump to avoid alarming.													
Mallory Controls													

Make / Site ID / Model	Discriminating	At Low Point	Wired Properly	Flip Test Result	Flip PSD	Low Test Result	Low PSD	High Test Result	High PSD	Product Result	Product PSD	After testing sensor was
92 Pollulert MD 241RRA	☑	Yes	Yes	NA	NA	NT	NT	NA	NA	Fail	No	Unk
Sensor failed the test, but the company is out of business.So, owner might have to change the system. Inspector gave the owner two weeks to fix it or replace It.												
MSA												
17 Tankgard 482607	☐	No	No	NA	NA	NT	NT	NA	NA	Fail	Yes	Repaired
Sensor initially turned off. Appears to have been turned off due to product in the sump. Sensor worked when turned on; sensor not at lowest point - about 8" above.												
17 Tankgard 482607	☐	Yes	Yes	NA	NA	NT	NT	NA	NA	Fail	No	Unk
Had to leave site before witnessing removal or re-installation of sensor.												
Red Jacket												
20 Liquid Refraction Sensor	☐	No	Yes	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
Sensor has been pulled up due to high water in the fill/vapor sump.												
Ronan												
20 LS-3	☐	No	Yes	Fail	No	NT	NT	NA	NA	NT	NT	Unk
Sensor appears to be good during a continuity test, but appears not to be hooked up to the control panel.												
47 LS-3	☐	Yes	No	Fail	Yes	NT	NT	NA	NA	NT	NT	Repaired
Sensor would not come out of alarm after testing. Pump would not come on. Contractor repaired the facility. Problem was wiring inside the building, near the control panel.												
20 LS-3	☐	Yes	No	Fail	No	NT	NT	NA	NA	NT	NT	Unk
Sensor appeared to be functional when technician tested for continuity, but did not activate an alarm at the panel. Tech suspects problem with wiring between sensor and panel.												
32 LS-3	☐	Yes	Yes	Fail	NP	NT	NT	NA	NA	NT	NT	Repaired
Float was stuck. Technician had to shake it to loosen it, then sensor went into alarm.												
1 LS-7	☐	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
The sensor could not be taken out of the tank interstice; therefore the sensor was activated within the tank.												
Universal												
94 LALS-1	☐	Yes	Yes	Fail	NA	NT	NT	NA	NA	NT	NT	Unk
Contractor waited for 2 minutes for the sensor to response, but never did. Sensor had to be replaced.												
95 LALS-1	☐	Yes	Yes	NA	NA	Fail	No	NA	NA	NT	NT	Unk
Sensor was not tested because it was stuck in the interstitial space.												
94 LAVS-1	☐	Yes	Yes	NA	NA	Fail	No	NA	NA	NT	NT	Unk
Veeder-Root												
85 794380-208	☐	No	Yes	Fail	No	NT	NT	NA	NA	NT	NT	Replaced
The contractor decided to stop testing the sensor after it failed to respond for more than 2 minutes and replace it with a new sensor.												
10 794380-208	☐	No	Yes	Fail	No	NT	NT	NA	NA	NT	NT	Re-Installed
Alarm activated at the control panel, but no pump shutdown. (printer said pump shutdown occurred, but pump continued to run. Picture of sensor is site 7 #2.). Follow up was done on this site and Inspector confirmed that the PSD is functioning properly.												

Make Site ID / Model	Discriminating	At Low Point	Wired Properly	Flip Test Result	Flip PSD	Low Test Result	Low PSD	High Test Result	High PSD	Product Result	Product PSD	After testing sensor was
91 794380-208	☐	No	Yes	NT	NT	Pass	Yes	NA	NA	NT	NT	Re-Installed
Fill bucket was detached. Stick was in the product line (to prevent the flapper from shutting down the flow)												
91 794380-208	☐	No	Yes	NT	NT	Pass	Yes	NA	NA	NT	NT	Re-Installed
Fill bucket was detached. Stick was in the product line (to prevent the flapper from shutting down the flow)												
91 794380-208	☐	No	Yes	NT	NT	Pass	Yes	NA	NA	NT	NT	Re-Installed
Fill bucket was detached. Stick was in the product line (to prevent the flapper from shutting down the flow)												
91 794380-208	☐	No	Yes	NT	NT	Pass	Yes	NA	NA	NT	NT	Re-Tested
Sensor timed out & Technician had to go and re-set it to shut down the pump.												
91 794380-208	☐	No	Yes	NT	NT	Pass	Yes	NA	NA	NT	NT	Re-Installed
Fill bucket was detached. Stick was in the product line (to prevent the flapper from shutting down the flow). Most of sensors timed out & Technician had to go and re-set it to shut down the pump.												
91 794380-208	☐	No	Yes	NT	NT	Pass	Yes	NA	NA	NT	NT	Re-Tested
Sensor timed out & Technician had to go and re-set it to shut down the pump.												
91 794380-208	☐	No	Yes	NT	NT	Pass	Yes	NA	NA	NT	NT	Re-Tested
Sensor timed out & Technician had to go and re-set it to shut down the pump.												
91 794380-208	☐	No	Yes	NT	NT	Pass	Yes	NA	NA	NT	NT	Re-Tested
Sensor timed out & Technician had to go and re-set it to shut down the pump.												
42 794380-208	☐	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
Contains a substantial amount of water.												
76 794380-208	☐	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
73 794380-208	☐	No	Yes	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
Sensor was raised about 4 inches from the bottom of the sump.												
33 794380-208	☐	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
33 794380-208	☐	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
33 794380-208	☐	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
33 794380-208	☐	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
33 794380-208	☐	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
33 794380-208	☐	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
79 794380-208	☐	No	Yes	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
Product is leaking out of the top of the turbine pump.												
79 794380-208	☐	No	Yes	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
Product is leaking out of the top of the turbine pump.												
79 794380-208	☐	No	Yes	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
Product is leaking out of the top of the turbine pump.												

Make Site ID / Model	Discriminating	At Low Point	Wired Properly	Flip Test Result	Flip PSD	Low Test Result	Low PSD	High Test Result	High PSD	Product Result	Product PSD	After testing sensor was
42 794380-208	☐	No	Yes	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
The sensor was not located at the lowest point in the tank. Technician lowered it and activetd an alarm.												
76 794380-208	☐	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
62 794380-208	☐	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
2-3 gallons of product in the sump. Sensor was raised above the product level. Sensor in pump sump was not programmed to shut down pump.												
62 794380-208	☐	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Re-Installed
2-3 gallons of product in the sump. Sensor was raised above the product level. Sensor in pump sump was not programmed to shut down pump.												
42 794380-208	☐	No	Yes	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
85 794380-208	☐	No	Yes	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
There was a hole in the sump, approximately 1 1/2" diam. Electrical wiring below penetration lines. Hydrostatic test was performed to the highest penetration lines at 16 minutes per cycle.Test at 16 psi and fail if below 12 psi. Fill sump is not clean..												
10 794380-208	☐	No	Yes	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
2 sensors, 1 raised in sump and the other was a the lowest point. Both responded and activated pump shut off. Picture of sensor was taken.												
88 794380-208	☐	Yes	Yes	Fail	No	NT	NT	NA	NA	NT	NT	Replaced
Technician waited for over 2 minutes, but sensor did not alarm. Finally inspector decided to call the test off and replace the sensor. Testing was done on the new sensor and it passed.												
200 794380-341	☑	Unk	Unk	NA	NA	Unk	Unk	NA	NA	Fail	Unk	Unk
200 794380-341	☑	Unk	Unk	NA	NA	Unk	Unk	NA	NA	Fail	Unk	Unk
19 794380-341	☑	Yes	Yes	NA	NA	NT	NT	NA	NA	Fail	No	Replaced
Replaced with same type of sensor.												
38 794380-341	☑	Yes	Yes	NA	NA	NT	NT	NA	NA	Fail	NA	Replaced
Sensor was tested with both unleaded gasoline and waste oil. Both cases, water alarms were observed. Sensor was not approved for use in waste oil. After testing, sensor was replaced and it passed the product test.												
38 794380-341	☑	Yes	Yes	NA	NA	Pass	NA	NA	NA	Fail	No	Replaced
Sensor sets water alarm for product test. After testing the sensor was replaced and the new sensor was setting the right alarm.												
38 794380-341	☑	Yes	Yes	NA	NA	Pass	NA	NA	NA	Fail	No	Replaced
Sensor sets water alarm for product test. After testing, sensor was replaced and the new sensor was setting the right alarm.												
64 794380-341	☑	Yes	Yes	NA	NA	Pass	Yes	NA	NA	Fail	Yes	Unk
Detected product as water. Since pump shuts down for product or water, Local Agency did not require sensor to be changed. Owner will replace sensor or re-program as non-discriminating.												
77 794380-341	☑	Yes	Yes	NA	NA	Pass	Yes	NA	NA	Fail	Yes	Repaired
Technician had to clean the sensor with a rag completely (especially in the small window at sensor's center) before fuel could be detected. After cleaning sensor did detect fuel.												
64 794380-341	☑	Yes	Yes	NA	NA	Pass	Yes	NA	NA	Fail	Yes	Unk
Detected product as water. Since pump shuts down for product or water, Local Agency did not require sensor to be changed. Owner will replace sensor or reprogram as non-discriminating.												
77 794380-341	☑	Yes	Yes	NA	NA	Pass	Yes	NA	NA	Fail	Yes	Repaired
Technician had to clean the sensor with a rag completely (especially in the small window at sensor's center) before fuel could be detected. After cleaning sensor did detect fuel.												
77 794380-341	☑	Yes	Yes	NA	NA	Pass	Yes	NA	NA	Fail	Yes	Repaired
Technician had to clean the sensor with a rag completely (especially in the small window at sensor's center) before fuel could be detected. After cleaning sensor did detect fuel.												

Make / Site ID / Model	Discriminating	At Low Point	Wired Properly	Flip Test Result	Flip PSD	Low Test Result	Low PSD	High Test Result	High PSD	Product Result	Product PSD	After testing sensor was
84 794380-350	☑	Yes	Yes	NA	NA	Pass	NA	Pass	Yes	Fail	Yes	Replaced
Sensor did not come out of alarm after being tested in product, so technician replaced it.												
84 794380-350	☑	Yes	Unk	NA	NA	Pass	NA	Fail	No	Fail	No	Re-Installed
Technician suspected a problem with the wiring at this site.												
84 794380-350	☑	Yes	Unk	NA	NA	Pass	NA	Fail	No	Fail	No	Re-Installed
Sensor alarmed, but failed PSD. Problem with the relay is suspected.												
84 794380-350	☑	Yes	No	NA	NA	Pass	NA	Fail	No	Fail	No	Replaced
Sensor did not respond during high water or product testing. Technician suspected wiring problem, since sensor was replaced but test results did not change.												
22 794380-352	☑	No	Yes	NT	NT	Fail	No	Pass	Yes	NT	NT	Re-Installed
Sensor's low float did not activate (would not reset). Sensor was replaced by the owner without informing the local agnecy nor the contractor who does the routine inspection. Apparently, they did not retest sensor's functinality.												
200 794380-352	☑	Unk	Unk	NT	NT	Unk	Unk	Pass	Unk	Fail	Unk	Unk
200 794380-352	☑	Unk	Unk	NT	NT	Unk	Unk	Pass	Unk	Fail	Unk	
82 794380-352	☑	Yes	No	NT	NT	NT	NT	NT	NT	NT	NT	Unk
Wiring malfunctioning.												
82 794380-352	☑	Yes	No	NT	NT	NT	NT	NT	NT	NT	NT	Unk
Wiring malfunctioning.												
65 794390-205	☐	No	Yes	NT	NT	NT	NT	NA	NA	Pass	NA	Re-Installed
Sump had oil in it. Sensor was raised above the oil, but alarmed when technician lowered it into the oil. Contractor was notified to pump out the oil that day.												
46 794390-205	☐	No	Yes	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
Sensor was raised approximately 1 foot from bottom of the sump.												
29 794390-407	☐	No	No	NT	NT	NT	NT	NA	NA	NT	NT	Repaired
The sensor was located at the top of the tank, at the access port. The pull-string was broken. Inspector said sensor must be fixed immediately. The sensor was not functionally tested during this inspection. Afollow up was done & sensor was repaired.												
73 794390-407	☐	Yes	Yes	Fail	NP	NT	NT	NA	NA	NT	NT	Repaired
Sensor would not go into alarm until the techician shook it vigorously. Float was stuck. Interstice was moist, but not enough liquid to activate an alarm.												
73 794390-407	☐	Yes	Yes	Fail	NP	NT	NT	NA	NA	NT	NT	Repaired
Sensor would not go into alarm until the techician shook it vigorously. Float was stuck.												
81 794390-409	☐	Unk	Unk	Fail	NP	NT	NT	NA	NA	NT	NT	Re-Installed
Sensor was wedged between the primary and secondary tank walls and cannot be removed to verify sensor type. Alarm was not set at the control panel by pulling it like the prevous two tanks.												
81 794390-409	☐	Unk	Yes	Fail	NP	NT	NT	NA	NA	NT	NT	Re-Installed
Sensor was wedged between the primary and secondary tank walls and cannot be removed to verify sensor type. Alarm was set at the control panel by pulling it. The response time was estimated because there was no way of knowing when sensor was triggered.												
51 794390-420	☐	NA	Yes	Fail	NP	NT	NT	NA	NA	NT	NT	Unk
The sensor was missing the float. Follow up was made with local agency and confirmed that the technician repaired the sensor. However, inspector did not peform re-inspection.												

Make / Site ID / Model	Discriminating	At Low Point	Wired Properly	Flip Test Result	Flip PSD	Low Test Result	Low PSD	High Test Result	High PSD	Product Result	Product PSD	After testing sensor was
55 794390-420	☐	No	Yes	Pass	NP	NT	NT	NA	NA	NT	NT	Unk
This sensor is for steel tanks, and could not be wrapped around the FG tank. Local agency instructed owner to replace.												
89 794390-420	☐	No	Yes	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
Interstitial space is full of water. Technician could not put back the sensor without calling the maintenance to remove water. Sensor was not at lowest point and wire was wrapped up.												
99 794390-420	☐	No	No	Pass	NP	NT	NT	NA	NA	NT	NT	
Waste oil contained oil/water around the tank sump. The sensor was not located in the lowest point.												
89 794390-420	☐	No	Yes	Pass	Yes	NT	NT	NA	NA	NT	NT	Re-Installed
23 794390-420	☐	Yes	Yes	Fail	NP	NT	NT	NA	NA	NT	NT	Replaced
Original sensor was stuck in the interstice because of rust on casing; sensor was replaced. New sensor passed test.												
Warrick Controls												
7 DLP-1-NC	☐	Yes	Yes	Fail	NP	NT	NT	NA	NA	NT	NT	Re-Tested
Sensor was sitting in water and not alarmed. Contractor shook sensor and float moved activating the alarm. Sensor passed retest after 1-2 second alarm response.												

APPENDIX VI, TABLE 2
Field Data for Non-discriminating Sensors

TABLE 2 - Field Data for Non-Discriminating Sensor

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	Liquid Testing Resp	Liquid Testing Rec	Liquid Testing Alarm	Liquid Testing PSD	Liquid Testing Result	Flip Testing Resp	Flip Testing Rec	Flip Testing Alarm	Flip Testing PSD	Flip Testing Result

Sensor Make: Beaudreau

Sensor Model: 404 **Operating Principle:** Float Switch

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	Liquid Resp	Liquid Rec	Liquid Alarm	Liquid PSD	Liquid Result	Flip Resp	Flip Rec	Flip Alarm	Flip PSD	Flip Result
UDC	Veeder-Root	TLS-300	Yes	Yes	Clean/Dry	3	1	Product	NA	Pass	NT	NT	NT	NT	NT

Sensor Model: 406 **Operating Principle:** Optical

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	Liquid Resp	Liquid Rec	Liquid Alarm	Liquid PSD	Liquid Result	Flip Resp	Flip Rec	Flip Alarm	Flip PSD	Flip Result
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	2	Both	NA	Pass	NA	NA	NA	NA	NA
Sensor shuts off power to dispenser.															
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	2	Both	NA	Pass	NA	NA	NA	NA	NA
Sensor shuts off power to dispenser.															
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	2	2	Both	NA	Pass	NA	NA	NA	NA	NA
Sensor shuts off power to dispenser.															
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	2	2	Both	NA	Pass	NA	NA	NA	NA	NA
Sensor shuts off power to dispenser.															
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	2	2	Both	NA	Pass	NA	NA	NA	NA	NA
Sensor shuts off power to dispenser.															
UDC	Beaudreau	404-4 Cut-off	No	Yes	Debris	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	None	NA	None	NA	Fail	NA	NA	NA	NA	NA
Led indicator light was working on sensor, indicating that the wiring was properly connected. Sensor was reinstalled, meaning local agency has to follow up.															
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	None	NA	None	NA	Fail	NA	NA	NA	NA	NA
Led indicator light was working on sensor, indicating that the wiring was properly connected. Sensor was reinstalled, meaning local agency has to follow up.															
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	None	NA	None	NA	Fail	NA	NA	NA	NA	NA
Led indicator light was working on sensor, indicating that the wiring was properly connected. Sensor was reinstalled, meaning local agency has to follow up.															
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	2	Both	NA	Pass	NA	NA	NA	NA	NA
Sensor shuts off power to dispenser.															
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	1	Both	NA	Pass	NA	NA	NA	NA	NA
The sensor was tested in a cup for total darkness and shut off the valve at the dispenser.															
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	2	5	Both	NA	Pass	NA	NA	NA	NA	NA
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Debris	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
Debris and dust accumulated over the years.															

All times are recorded in seconds and heights in inches.

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	Liquid Testing Resp	Liquid Testing Rec	Liquid Testing Alarm	Liquid Testing PSD	Liquid Testing Result	Flip Testing Resp	Flip Testing Rec	Flip Testing Alarm	Flip Testing PSD	Flip Testing Result
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	15	1	Both	NA	Pass	NA	NA	NA	NA	NA
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	1	Both	Yes	Pass	NA	NA	NA	NA	NA
Sensor failed testing 6 weeks earlier. Technician replaced control module (located under dispenser) and now sensor worked.															
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	1	Both	Yes	Pass	NA	NA	NA	NA	NA
Sensor failed testing 6 weeks earlier. Technician replaced control module (located under dispenser) and now sensor worked.															
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	1	Both	Yes	Pass	NA	NA	NA	NA	NA
Sensor failed testing 6 weeks earlier. Technician replaced control module (located under dispenser) and now sensor worked.															
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	1	Both	Yes	Pass	NA	NA	NA	NA	NA
Sensor failed testing 6 weeks earlier. Technician replaced control module (located under dispenser) and now sensor worked.															
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	1	Both	NA	Pass	NA	NA	NA	NA	NA
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	1	Both	NA	Pass	NA	NA	NA	NA	NA
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	1	Both	NA	Pass	NA	NA	NA	NA	NA
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	1	Both	NA	Pass	NA	NA	NA	NA	NA
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	1	Both	NA	Pass	NA	NA	NA	NA	NA
UDC	Beaudreau	404-4 Cut-off	Yes	Yes	Clean/Dry	1	1	Both	NA	Pass	NA	NA	NA	NA	NA

Sensor Make: Emco

Sensor Model: Q0003-006 **Operating Principle:** Optical

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	Liquid Testing Resp	Liquid Testing Rec	Liquid Testing Alarm	Liquid Testing PSD	Liquid Testing Result	Flip Testing Resp	Flip Testing Rec	Flip Testing Alarm	Flip Testing PSD	Flip Testing Result
Tank Interstice	Emco	EECO 3000	Yes	Yes	Clean/Dry	60	60	Product	NA	Pass	NA	NA	NA	NA	NA
Tank Interstice	Emco	EECO 3000	Yes	Yes	Clean/Dry	60	60	Product	NA	Pass	NA	NA	NA	NA	NA
Tank Interstice	Emco	EECO 3000	Yes	Yes	Clean/Dry	60	60	Product	NA	Pass	NA	NA	NA	NA	NA
Tank Interstice	Emco	EECO 3000	Yes	Yes	Clean/Dry	60	60	Product	NA	Pass	NA	NA	NA	NA	NA

Sensor Model: Q0003-010 **Operating Principle:** Optical

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	Liquid Testing Resp	Liquid Testing Rec	Liquid Testing Alarm	Liquid Testing PSD	Liquid Testing Result	Flip Testing Resp	Flip Testing Rec	Flip Testing Alarm	Flip Testing PSD	Flip Testing Result
Pump Sump	Emco Wheaton	Leak Sensor II	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	NA	NA	NA	NP	NA
~8 oz water in cup; panel did not support ATG, only good for open/close sensor response; pressure operating principle?															
Tank Interstice	Emco Wheaton	Leak Sensor II	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
~8 oz water in cup; panel did not support ATG, only good for open/close sensor response; pressure operating principle?															

Sensor Make: Gilbarco

Sensor Model: PA02591144000 **Operating Principle:** Float Switch

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing*					*Flip Testing*				
						Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Sensor is Gilbarco equivalent of VR model -208.															
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Sensor is Gilbarco equivalent of VR model -208.															
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Sensor is Gilbarco equivalent of VR model -208.															
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	360	1	Both	NP	Pass
Unable to remove and observe waste oil UST overfill sesor. Technician was able to to activate sensor within the tank.															
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	720	1	Both	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	720	1	Both	NP	Pass
Mid-grade and Premium share the same annular space; some condensation; sensor casing split.															
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	None	NA	None	NP	Fail
Sensors was replaced by contractor two days after the inspection.															
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
This was a two-compartment tank (midgrade and premium). The casing of the sensor was split and took the form of a bell.															
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	8	5	Product	NA	Pass	NT	NT	NT	NT	NT
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	9	5	Product	NA	Pass	NT	NT	NT	NT	NT
Soil in the access area for this sensor was stained dark with diesel fuel from unknown source. Possibly overfill or surface water ingress.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	Unk	Unk	Product	NP	Pass
Alarm was set during the removal of the sensor from the tank interstice. Sensor was also covered with dirty water.															
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass

All times are recorded in seconds and heights in inches.

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	Liquid Testing Resp	Rec	Alarm	PSD	Result	Flip Testing Resp	Rec	Alarm	PSD	Result
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Sensor is Gilbarco equivalent of VR model -420.															
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Sensor is Gilbarco equivalent of VR model -420.															
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Sensor is Gilbarco equivalent of VR model -420.															
Sensor Model: PA02592000000					**Operating Principle:** Float Switch										
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	840	5	Both	NP	Pass
LLD failed the 3 gph leak test. Needs replacement.															
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	No	Fail
Sensors was replaced by contractor two days after the inspection and positive shut down was rewired.															
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	No	Fail
Sensors was replaced by contractor two days after the inspection and positive shut down was rewired.															
Pump Sump	Gilbarco	EMC	Yes	Yes	Product	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	1	Both	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	840	5	Both	NP	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	840	5	Both	NP	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Sensor Model: PA02592000010					**Operating Principle:** Float Switch										
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Product	NT	NT	NT	NT	NT	10	1	Both	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Product	NT	NT	NT	NT	NT	10	1	Both	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Product	NT	NT	NT	NT	NT	30	1	Both	No	Fail
Relay was stuck, so the PSD failed when tested. It passed when re-tested.															
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Gilbarco	EMC	No	Yes	Water	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
3-4 inches of water on both sides of sump (low spots of tank top).															
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	7	10	Product	Yes	Pass
Flip test used since cable was too short to remove from sump for water test.															
Pump Sump	Gilbarco	EMC	No	Yes	Water	8	8	Product	Yes	Pass	NT	NT	NT	NT	NT
2-3 inches of water on both sides of sump (low spots of tank top).															
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Sensor Model: PA0259300000-2				**Operating Principle:** Float Switch											
Tank Interstice	Gilbarco	EMC	NA	Yes	Brine-Filled	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump shut down on high and low level alarms.															
Tank Interstice	Gilbarco	EMC	NA	Yes	Brine-Filled	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump shut down on high and low level alarms.															

Sensor Make: Incon

Sensor Model: TS-ILS				**Operating Principle:** Optical											
Tank Interstice	Incon	1000ER	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
Sensor Model: TSP-HIS				**Operating Principle:** Float Switch											
Tank Interstice	Incon	TS-1000	Yes	Yes	Brine-Filled	NT	NT	NT	NT	NT	15	Unk	Product	NP	Pass
The sensor is Incon (double floats) continuously monitors the interstitial space.It was tested for both high level and low level alarms.															
Tank Interstice	Incon	TS-1000	Yes	Yes	Brine-Filled	NT	NT	NT	NT	NT	10	Unk	Product	NP	Pass
Sensor Model: TSP-ULS				**Operating Principle:** Float Switch											
Fill Sump	Incon	TS-1000	No	Yes	Product	NT	NT	NT	NT	NT	1	15	Product	Yes	Pass
The sump was full of diesel approximately 9 1/2 inches deep. The sensor was set at the top of the sump to avoid alarming.															
Fill Sump	Incon	TS-1000EFI	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	Unk	Both	Yes	Pass
Pump Sump	Incon	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Both	NP	Pass
Small metal casing with holes at bottom of sensor for liquid to enter; console had printer and ATG capability.															

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Pump Sump	Incon	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Both	NP	Pass
Small metal casing with holes at bottom of sensor for liquid to enter; console had printer and ATG capability.															
Pump Sump	Incon	1000ER	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pump Sump	Incon	TS-1000	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	Unk	Product	NP	Pass
This facility does not have a positive shut-down feature.															
Pump Sump	Incon	TS-1000	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	Unk	Product	NP	Pass
Pump Sump	Incon	TS-1000EFI	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	25	Unk	Both	Yes	Pass
Pump Sump	Incon	TS-1000	Yes	Yes	Water	NT	NT	NT	NT	NT	1	15	Product	Yes	Pass
Tank Interstice	Incon	1000ER	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tank Interstice	Incon	TS-1000	NA	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	15	Product	Yes	Pass
Tank Interstice	Incon	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Both	NP	Pass
Small metal casing with holes at bottom of sensor for liquid to enter; console had printer and ATG capability.															
Tank Interstice	Incon	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Both	NP	Pass
Small metal casing with holes at bottom of sensor for liquid to enter; console had printer and ATG capability.															
UDC	Incon	TS-1000	Yes	Yes	Product	NT	NT	NT	NT	NT	1	15	Product	Yes	Pass
There was a substantial amount of product in the UDC. There seemed to be a leak in the piping under the dispenser. It was in alarm on arrival.															
UDC	Incon	1000ER	No	No	Water	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sensor was turned off when technician conducted the test. Sensor appears to have been turned due to water in the UDC. After turning the sensor on, it passed.															

Sensor Make: MSA

Sensor Model: Tankgard 482607 **Operating Principle:** Thermal Conductivity

Pump Sump	MSA	Tankguard	Yes	Yes	Water	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
Pump Sump	MSA	Tankguard	No	No	Water	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
Sensor initially turned off. Appears to have been turned off due to product in the sump. Sensor worked when turned on; sensor not at lowest point - about 8" above.															
Pump Sump	MSA	Tankguard	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
Had to leave site before witnessing removal or re-installation of sensor.															
Tank Interstice	MSA	Tankguard	Unk	Unk	Water	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
Sensor also is monitoring the presense of antifreeze, which shared the tank with the waste oil.															
Tank Interstice	MSA	Tankguard	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA

Sensor Make: Owens-Corning Tank

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Sensor Model: FHRB 810				**Operating Principle:** Float Switch											
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Brine-Filled	NT	NT	NT	NT	NT	20	Unk	Both	NP	Pass
This single sensor monitors the regular-mid-premium tanks; two reservoirs are used (left and right) and both must be activated for the alarm to go off.															
Sensor Make: PermAlert															
Sensor Model: PSTV				**Operating Principle:** Float Switch											
Tank Interstice	Red Jacket	PPM 4000	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	Unk	Both	Yes	Pass
Sensor Make: Pneumeractor															
Sensor Model: LS 600LD				**Operating Principle:** Float Switch											
Pump Sump	Pneumeractor	LC-1000	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
Unknown sensor type, photo taken. Flip test was done because sensor wiring prevented removal of the sensor (wiring too short).															
Pump Sump	Pneumeractor	LC-1000	Unk	Yes	Water	NT	NT	NT	NT	NT	2	Unk	Product	NP	Pass
Water in sumps was below level of the sensor. Flip test was done due to wiring being too short. No labels or markings on the sensor. Picture was taken.															
Pump Sump	Pneumeractor	LC-1000	Unk	Yes	Water	NT	NT	NT	NT	NT	2	Unk	Product	NP	Pass
Sensor Make: Red Jacket															
Sensor Model: Liquid Refraction Sensor				**Operating Principle:** Optical											
Fill Sump	Red Jacket	PPM 4000	No	Yes	Water/Debris	NT	NT	NT	NT	NT	2	Unk	Both	Yes	Pass
Sensor has been pulled up due to high water in the fill/vapor sump.															
Sensor Model: RE400-111-5				**Operating Principle:** Float Switch											
Pump Sump	Red Jacket	STL 1801	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Pump Sump	Red Jacket	STL 1401	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Pump Sump	Red Jacket	STL 1401	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Pump Sump	Red Jacket	STL 1801	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Pump Sump	Red Jacket	STL 1401	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Pump Sump	Red Jacket	STL 1801	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Sensor Model: Unk				**Operating Principle:** Float Switch											
Pump Sump	Veeder-Root	TLS-300	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	Liquid Testing Resp	Liquid Testing Rec	Liquid Testing Alarm	Liquid Testing PSD	Liquid Testing Result	Flip Testing Resp	Flip Testing Rec	Flip Testing Alarm	Flip Testing PSD	Flip Testing Result

Sensor Make: Ronan

Sensor Model: LS-3 **Operating Principle:** Float Switch

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	Liquid Resp	Liquid Rec	Liquid Alarm	Liquid PSD	Liquid Result	Flip Resp	Flip Rec	Flip Alarm	Flip PSD	Flip Result
Fill Sump	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Fail
Float was stuck. Technician had to shake it to loosen it, then sensor went into alarm.															
Fill Sump	Ronan	X761VCS-3LXi	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
Fill Sump	Ronan	X761VCS-3LXi	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
Fill Sump	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	Yes	Pass
Fill Sump	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	Yes	Pass
Fill Sump	Ronan	X76S	Yes	Yes	Water	NT	NT	NT	NT	NT	1	1	Product	Yes	Pass
Slight amount of water in fill sump. Not enough to activate an alarm.															
Fill Sump	Ronan	X761VCS-3LXi	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
Fill Sump	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Fill Sump	Red Jacket	PPM 4000	No	Yes	Water/Debris	NT	NT	NT	NT	NT	Unk	Unk	None	No	Fail
Sensor appears to be good during a continuity test, but appears not to be hooked up to the control panel.															
Monitoring Well	EBW	AutoStik Jr. 4	Yes	Yes	Backfill	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Sensor is a custom version of the LS3-A. It is made of stainless steel and is resistant to the chemicals stored in the system.															
Monitoring Well	EBW	AutoStik Jr. 4	Yes	Yes	Backfill	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Sensor is a custom version of the LS3-A. It is made of stainless steel and is resistant to the chemicals stored in the system.															
Monitoring Well	EBW	AutoStik Jr. 4	Yes	Yes	Backfill	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Sensor is a custom version of the LS3-A. It is made of stainless steel and is resistant to the chemicals stored in the system.															
Monitoring Well	EBW	AutoStik Jr. 4	Yes	Yes	Backfill	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Sensor is a custom version of the LS3-A. It is made of stainless steel and is resistant to the chemicals stored in the system.															
Monitoring Well	EBW	AutoStik Jr. 4	Yes	Yes	Backfill	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Sensor is a custom version of the LS3-A. It is made of stainless steel and is resistant to the chemicals stored in the system.															
Monitoring Well	EBW	AutoStik Jr. 4	Yes	Yes	Backfill	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Sensor is a custom version of the LS3-A. It is made of stainless steel and is resistant to the chemicals stored in the system.															
Monitoring Well	EBW	AutoStik Jr. 4	Yes	Yes	Backfill	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Sensor is a custom version of the LS3-A. It is made of stainless steel and is resistant to the chemicals stored in the system.															
Monitoring Well	EBW	AutoStik Jr. 4	Yes	Yes	Backfill	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Sensor is a custom version of the LS3-A. It is made of stainless steel and is resistant to the chemicals stored in the system.															

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Pump Sump	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Pump Sump	Ronan	X76S	Yes	Yes	Water	NT	NT	NT	NT	NT	2	2	Both	NP	Pass
Pump Sump	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	Yes	Pass
Fail-safe was verified operational.															
Pump Sump	Ronan	X76VS	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	1	Product	Yes	Pass
Pump Sump	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	Yes	Pass
Fail-safe was verified operational.															
Pump Sump	Ronan	X76S	Yes	No	Clean/Dry	NT	NT	NT	NT	NT	3	NA	Product	Yes	Fail
Sensor would not come out of alarm after testing. Pump would not come on. Contractor repaired the facility. Problem was wiring inside the building, near the control panel.															
Pump Sump	Ronan	X76S	Yes	Yes	Water	NT	NT	NT	NT	NT	1	1	Both	Yes	Pass
Pump Sump	Ronan	X76S	Yes	Yes	Water	NT	NT	NT	NT	NT	1	1	Both	Yes	Pass
Pump Sump	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	Yes	Pass
Fail-safe was verified operational.															
Pump Sump	Red Jacket	PPM 4000	Yes	No	Water	NT	NT	NT	NT	NT	none	NA	None	No	Fail
Sensor appeared to be functional when technician tested for continuity, but did not activate an alarm at the panel. Tech suspects problem with wiring between sensor and panel.															
Pump Sump	Ronan	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Unk	NP	Pass
This site has a suction system and a tank sump.															
Pump Sump	Ronan	X761VCS-3LXi	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
Pump Sump	Red Jacket	PPM 4000	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	Unk	Both	Yes	Pass
After follow up with local agency, inspector confirmed that the technician replaced fill sump sensor and replaced the broken wire in the monitor.															
Pump Sump	Ronan	X76LVC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	Yes	Pass
Pump Sump	Ronan	X76LVC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	Yes	Pass
Pump Sump	Ronan	X76VS	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	1	Product	Yes	Pass
Pump Sump	Ronan	X76S	Yes	Yes	Water	NT	NT	NT	NT	NT	1	2	Both	NP	Pass
Pump Sump	Ronan	X76S	Yes	Yes	Water	NT	NT	NT	NT	NT	2	2	Both	NP	Pass
Pump Sump	Ronan	X76VS	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	1	Product	Yes	Pass
Sensor was on its side and slightly upside-down, but not in alarm. Sensor did alarm when fully flipped over. Tech re-installed sensor properly after testing.															
Pump Sump	Ronan	X76LVC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Pump Sump	Ronan	X761VCS-3LXi	Yes	Yes	Water	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
Pump Sump	Ronan	X76LVC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	Yes	Pass

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Pump Sump	Ronan	X76S	Yes	Yes	Water	NT	NT	NT	NT	NT	2	2	Both	NP	Pass
Pump Sump	Ronan	X76LVC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Pump Sump	Ronan	X761VCS-3LXi	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
Pump Sump	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Pump Sump	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	NP	Pass
Tank Interstice	Ronan	X76LVC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Red Jacket	PPM 4000	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	Unk	Both	Yes	Pass
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	NP	Pass
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
UDC	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
UDC	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
UDC	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
UDC	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
UDC	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	11	Both	NP	Pass
UDC	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
UDC	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
UDC	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Sensor Model: LS-30					**Operating Principle:** Float Switch										
Tank Interstice	Ronan	X76S	NA	Yes	Brine-Filled	NT	NT	NT	NT	NT	2	2	Both	NP	Pass
Tank Interstice	Ronan	X76S	NA	Yes	Brine-Filled	NT	NT	NT	NT	NT	2	2	Both	NP	Pass
Tank Interstice	Ronan	Unk	NA	Yes	Unk	3	3	Water	NA	Pass	NT	NT	NT	NT	NT
Ronan- LS-30 hydrostatic in generator tank.															
Tank Interstice	Ronan	X76S	NA	Yes	Brine-Filled	NT	NT	NT	NT	NT	2	2	Both	NP	Pass
Tank Interstice	Ronan	X76S	NA	Yes	Brine-Filled	NT	NT	NT	NT	NT	2	2	Both	NP	Pass

All times are recorded in seconds and heights in inches.

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	Liquid Testing Resp	Liquid Testing Rec	Liquid Testing Alarm	Liquid Testing PSD	Liquid Testing Result	Flip Testing Resp	Flip Testing Rec	Flip Testing Alarm	Flip Testing PSD	Flip Testing Result
Sensor Model: LS-7					**Operating Principle:** Float Switch										
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Technician pulled wire and pull string at the same time. This lifts the sensor off the bottom of the tank interstice and allows the float to fall, activating the alarm.															
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Technician pulled wire and pull string at the same time. This lifts the sensor off the bottom of the tank interstice and allows the float to fall, activating the alarm.															
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Technician pulled wire and pull string at the same time. This lifts the sensor off the bottom of the tank interstice and allows the float to fall, activating the alarm.															
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	1	Product	NP	Pass
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	1	Product	NP	Pass
Tank Interstice	Ronan	X76LVC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	4	Product	NP	Pass
Tank Interstice	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Ronan	X76VS	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Alarm was activated by shaking sensor while still in tank interstice.															
Tank Interstice	Ronan	X76LVC	No	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
The sensor could not be taken out of the tank interstice; therefore the sensor was activated within the tank.															
Tank Interstice	Ronan	X76VS	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Sensor had to be re-installed with a fish-tape because the string was broken. This took the contractor about 1 hour.															
Tank Interstice	Ronan	X76S	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	1	Product	NP	Pass
Tank Interstice	Ronan	X76LVC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Ronan	X76VS	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Alarm was activated by shaking sensor while still in tank interstice.															
Tank Interstice	Ronan	X76LVC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	3	Product	NP	Pass
Tank Interstice	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Ronan	X76-4X	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Ronan	X76LVC	NA	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Ronan	X76VS	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Alarm was activated by shaking sensor while still in tank interstice.															
Sensor Model: Unk					**Operating Principle:** Float Switch										
Tank Interstice	Veeder-Root	TLS-300	NA	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	Liquid Testing Resp	Liquid Testing Rec	Liquid Testing Alarm	Liquid Testing PSD	Liquid Testing Result	Flip Testing Resp	Flip Testing Rec	Flip Testing Alarm	Flip Testing PSD	Flip Testing Result

Sensor Make: Universal

Sensor Model: LALS-1 **Operating Principle:** Thermal Conductivity

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	Liquid Resp	Liquid Rec	Liquid Alarm	Liquid PSD	Liquid Result	Flip Resp	Flip Rec	Flip Alarm	Flip PSD	Flip Result
Fill Sump	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	1	Unk	Both	Yes	Pass	NA	NA	NA	NA	NA
Sensor activates an audible alarm and shuts down pump at the dispenser.															
Fill Sump	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	1	Unk	Both	Yes	Pass	NA	NA	NA	NA	NA
Sensor activates an audible alarm and shuts down pump at the dispenser.															
Piping Sump	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	1	Unk	Both	Yes	Pass	NA	NA	NA	NA	NA
Sensor activates an audible alarm and shuts down pump at the dispenser.															
Pump Sump	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	2	Unk	Product	NA	Pass	NA	NA	NA	NA	NA
Pump Sump	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	3	2	Water	Yes	Pass	NA	NA	NA	NA	NA
Pump Sump	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	2	2	Water	Yes	Pass	NA	NA	NA	NA	NA
Pump Sump	Universal	Leak Alert LA-08	Yes	Yes	Vapor Odor	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Contractor blows on the sensor to activate the alarm. Sensor responds instantly. Sumps had been recently refinished and had strong chemical smell, not fuel.															
Pump Sump	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	2	Unk	Product	NA	Pass	NA	NA	NA	NP	NA
Pump Sump	Universal	Leak Alert LA-08	Yes	Yes	Vapor Odor	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Contractor blows on the sensor to activate the alarm. Sensor responds instantly. Sumps had been recently refinished and had strong chemical smell, not fuel.															
Pump Sump	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	2	Unk	Product	NA	Pass	NA	NA	NA	NA	NA
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	8	10	Water	Yes	Pass	NA	NA	NA	NA	NA
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	15	15	Water	NA	Pass	NA	NA	NA	NA	NA
Emergency generator with 1000 gallon tank.															
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	5	3	Water	Yes	Pass	NA	NA	NA	NA	NA
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	4	4	Water	Yes	Pass	NA	NA	NA	NA	NA
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	3	Water	NA	Pass
Contractor blows on the sensor to activate the alarm.															
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NA	Pass
Contractor blows on the sensor to activate the alarm. Sensor responds instantly.															
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NA	Pass
Contractor blows on the sensor to activate the alarm. Sensor responds instantly.															
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NA	Pass
Contractor blows on the sensor to activate the alarm. Sensor responds instantly.															

All times are recorded in seconds and heights in inches.

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	2	Unk	Product	NA	Pass	NA	NA	NA	NA	NA
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	2	Unk	Product	NA	Pass	NA	NA	NA	NA	NA
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Both	NA	Pass
Contractor blows on the sensor to activate the alarm.															
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	3	Water	NA	Pass
Contractor blows on the sensor to activate the alarm.															
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	3	3	None	Yes	Pass	NA	NA	NA	NA	NA
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	3	Water	NA	Pass
Contractor blows on the sensor to activate the alarm.															
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	1	Unk	Both	Yes	Pass	NA	NA	NA	NA	NA
Sensor activates an audible alarm and shuts down pump at the dispenser.															
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	1	Unk	Both	Yes	Pass	NA	NA	NA	NA	NA
Sensor activates an audible alarm and shuts down pump at the dispenser.															
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	None	None	None	NA	Fail
Contractor waited for 2 minutes for the sensor to response, but never did. Sensor had to be replaced.															
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	None	NA	None	No	Fail	NA	NA	NA	NA	NA
Sensor was not tested because it was stuck in the interstitial space.															
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	2	Unk	Product	NA	Pass	NA	NA	NA	NA	NA
Sensor Model: LAVS-1				**Operating Principle:** Metal Oxide Semiconductor											
Tank Interstice	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	Unk	Unk	Unk	No	Fail	NA	NA	NA	NA	NA
Sensor Model: LS 03875 STP Sensor				**Operating Principle:** Thermal Conductivity											
Pump Sump	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	2	33	Product	Yes	Pass	NA	NA	NA	NP	NA
There was no light bulb on the monitoring panel, but alarm activated.															
Pump Sump	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	2	11	Product	Yes	Pass	NA	NA	NA	NA	NA
There was no light bulb on the monitoring panel, but alarm activated.															
Pump Sump	Universal	Leak Alert LA-08	Yes	Yes	Clean/Dry	2	15	Product	Yes	Pass	NA	NA	NA	NP	NA
There was no light bulb on the monitoring panel, but alarm activated.															
Sensor Make: Veeder-Root															
Sensor Model: 330212-001				**Operating Principle:** Float Switch											
UDC	Veeder-Root	Dispenser cut-off	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
UDC	Veeder-Root	Dispenser cut-off	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	MR	Both	NP	Pass
Sensor cuts power to dispenser, which must be manually reset.															
UDC	Veeder-Root	Dispenser cut-off	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	1	Product	Yes	Pass
UDC	Veeder-Root	Dispenser cut-off	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
UDC	Veeder-Root	Dispenser cut-off	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
UDC	Veeder-Root	Dispenser cut-off	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	MR	Both	NP	Pass
Sensor cuts power to dispenser, which must be manually reset.															
UDC	Veeder-Root	Dispenser cut-off	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	MR	Both	NP	Pass
Sensor cuts power to dispenser, which must be manually reset.															
Sensor Model: 331102-002				**Operating Principle:** Float Switch											
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	8	1	Both	Yes	Pass
Sensor has double float alarm (high/low). Service technician decided only to do the flip test.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	1	Both	Yes	Pass
Sensor has double float alarm (high/low). Service technician decided only to do the flip test.															
Sensor Model: 794380-208				**Operating Principle:** Float Switch											
ATG Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	Unk	Unk	Product	NP	Pass
Sump contains dirty water. Alarm was set at the control panel.															
ATG Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	Unk	Unk	Product	NP	Pass
Sump contains dirty water. Alarm was set at the control panel.															
ATG Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	Unk	Unk	Product	NP	Pass
Sump contains dirty water. Alarm was set at the control panel															
ATG Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	1	Product	Yes	Pass
ATG Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	1	Product	Yes	Pass
ATG Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	1	Product	Yes	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	3	3	Product	Yes	Pass
Fill sump contains water, dirt, and corrosion.															
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Debris	NT	NT	NT	NT	NT	3	2	Product	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Product	NT	NT	NT	NT	NT	2	2	Product	NP	Pass
Sensor was in alarm when technician arrived to conduct inspection. Technician called to have the product removed.															
Fill Sump	Veeder-Root	TLS-350	No	Yes	Water	NT	NT	NT	NT	NT	2	2	Product	NP	Pass

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Fill Sump	Veeder-Root	TLS-350	No	Yes	Product	NT	NT	NT	NT	NT	2	2	Product	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	10	2	Product	Yes	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Debris	NT	NT	NT	NT	NT	2	2	Product	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	Unk	Product	NA	Pass	NT	NT	NT	NT	NT
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Product	NT	NT	NT	NT	NT	8	Unk	Product	NP	Pass
Fill sump contains waste oil.															
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Product	NT	NT	NT	NT	NT	8	Unk	Product	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Product	NT	NT	NT	NT	NT	8	Unk	Product	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Product	NT	NT	NT	NT	NT	8	Unk	Product	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	10	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	8	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Fill Sump	Veeder-Root	TLS-350	No	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Fill Sump	Veeder-Root	TLS-350	No	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	none	NA	None	No	Fail
Technician waited for over 2 minutes, but sensor did not alarm. Finally inspector decided to call the test off and replace the sensor. Testing was done on the new sensor and it passed.															
Fill Sump	Veeder-Root	TLS-350	No	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	1	Product	Yes	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	5	1	Product	Yes	Pass
Fill Sump	Veeder-Root	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	6	Product	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	12	2	Product	Yes	Pass
Fill Sump	Veeder-Root	TLS-350	No	Yes	Water	NT	NT	NT	NT	NT	15	1	Product	Yes	Pass
The sensor was not located at the lowest point in the tank. Technician lowered it and activetd an alarm.															
Fill Sump	Veeder-Root	Unk	Yes	Yes	Water	NT	NT	NT	NT	NT	5	6	Product	Yes	Pass

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Fill Sump	Veeder-Root	TLS-350	No	Yes	Water	NT	NT	NT	NT	NT	5	1	Product	NP	Pass
Contains a substantial amount of water.															
Fill Sump	Veeder-Root	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	6	Product	Yes	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	1	Product	Yes	Pass
The sensor was not at the lowest point in the tank.															
Fill Sump	Veeder-Root	Unk	Yes	Yes	Water	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Sump has 4-5 inches of water. Technician was waiting for maintinance to clean the water before putting back the sensor.															
Fill Sump	Veeder-Root	Unk	Yes	Yes	Water	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Sump has 4-5 inches of water. Technician was waiting for maintinance to clean the water before putting back the sensor.															
Piping Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	6	4	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	Unk	Unk	Product	NP	Pass
Alarm was set at the control panel.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water	5	2	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water	5	2	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water	5	2	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	10	10	Product	NP	Pass
Flip Test- estimated response of 10 seconds.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	NP	Pass
Flip Test- estimated response of 10 seconds															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	Unk	Unk	Product	NP	Pass
Alarm was set at the control panel.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	8	2	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	6	2	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Product	NT	NT	NT	NT	NT	5	2	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
The cable is too short to test sensor in liquid, Instead perform a flip test.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	8	2	Product	Yes	Pass

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	NP	Pass
Flip Test- estimated response of 10 seconds															
Pump Sump	Veeder-Root	TLS-350	No	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	5	1	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	No	Yes	Product	NT	NT	NT	NT	NT	5	1	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	1	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	1	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	10	4	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	12	4	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	Unk	Unk	Product	NP	Pass
Alarm was set at the control panel.															
Pump Sump	Veeder-Root	TLS-350	No	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	8	4	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	10	4	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	6	4	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	No	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Pump Sump	Unk	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	6	6	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	Unk	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	Unk	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	8	4	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	15	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	7	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	10	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Cable was too short to allow for testing in liquid. Flip test was used.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Cable was too short to allow for testing in liquid. Flip test was used.															

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Cable was too short to allow for testing in liquid. Flip test was used.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	Unk	Unk	Product	Unk	Pass
Tested 4 of VR 208 sensors, all 4 alarms were set.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	Unk	Unk	Product	Unk	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	Unk	Unk	Product	Unk	Pass
Pump Sump	Veeder-Root	Unk	Yes	Yes	Water	NT	NT	NT	NT	NT	5	6	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	15	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	No	Yes	Product	NT	NT	NT	NT	NT	3	3	Product	NP	Pass
2-3 gallons of product in the sump. Sensor was raised above the product level. Sensor in pump sump was not programmed to shut down pump.															
Pump Sump	Veeder-Root	Unk	No	Yes	Water	25	17	Water	Yes	Pass	NT	NT	NT	NT	NT
Fill bucket was detached. Stick was in the product line (to prevent the flapper from shutting down the flow)															
Pump Sump	Veeder-Root	Unk	No	Yes	Water	20	20	Water	Yes	Pass	NT	NT	NT	NT	NT
Fill bucket was detached. Stick was in the product line (to prevent the flapper from shutting down the flow)															
Pump Sump	Veeder-Root	Unk	No	Yes	Water	20	20	Water	Yes	Pass	NT	NT	NT	NT	NT
Fill bucket was detached. Stick was in the product line (to prevent the flapper from shutting down the flow)															
Pump Sump	Veeder-Root	Unk	No	Yes	Water	20	15	Water	Yes	Pass	NT	NT	NT	NT	NT
Sensor timed out & Technician had to go and re-set it to shut down the pump.															
Pump Sump	Veeder-Root	Unk	No	Yes	Water	25	30	Water	Yes	Pass	NT	NT	NT	NT	NT
Sensor timed out & Technician had to go and re-set it to shut down the pump.															
Pump Sump	Veeder-Root	Unk	No	Yes	Water	20	30	Water	Yes	Pass	NT	NT	NT	NT	NT
Sensor timed out & Technician had to go and re-set it to shut down the pump.															
Pump Sump	Veeder-Root	Unk	No	Yes	Water	20	20	Water	Yes	Pass	NT	NT	NT	NT	NT
Sensor timed out & Technician had to go and re-set it to shut down the pump.															
Pump Sump	Veeder-Root	Unk	No	Yes	Water	20	15	Water	Yes	Pass	NT	NT	NT	NT	NT
Fill bucket was detached. Stick was in the product line (to prevent the flapper from shutting down the flow). Most of sensors timed out & Technician had to go and re-set it to shut down the pump.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	Unk	Unk	Product	Unk	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	3	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	No	Yes	Water	NT	NT	NT	NT	NT	2	Unk	Product	Yes	Pass
2 sensors, 1 raised in sump and the other was a the lowest point. Both responded and activated pump shut off. Picture of sensor was taken.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	2	Unk	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	15	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	No	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Sensor was raised about 4 inches from the bottom of the sump.															
Pump Sump	Veeder-Root	TLS-350	No	Yes	Product	NT	NT	NT	NT	NT	3	3	Product	NP	Pass
2-3 gallons of product in the sump. Sensor was raised above the product level. Sensor in pump sump was not programmed to shut down pump.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	10	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	12	10	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	No	Yes	Product	NT	NT	NT	NT	NT	8	10	Product	Yes	Pass
Product is leaking out of the top of the turbine pump.															
Pump Sump	Veeder-Root	TLS-350	No	Yes	Product	NT	NT	NT	NT	NT	8	10	Product	Yes	Pass
Product is leaking out of the top of the turbine pump.															
Pump Sump	Veeder-Root	TLS-350	No	Yes	Product	NT	NT	NT	NT	NT	8	10	Product	Yes	Pass
Product is leaking out of the top of the turbine pump.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	6	Unk	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	6	Unk	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	15	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	4	Product	Yes	Pass
Noticed a 1" hole in the sump, which will need to be repaired in order to have tight secondary containment.															
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-300	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	30	Unk	Product	NP	Pass

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Pump Sump	Veeder-Root	TLS-350	No	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	5	Product	Yes	Pass
There was a hole in the sump, approximately 1 1/2" diam. Electrical wiring below penetration lines. Hydrostatic test was performed to the highest penetration lines at 16 minutes per cycle.Test at 16 psi and fail if below 12 psi. Fill sump is not clean..															
Pump Sump	Veeder-Root	TLS-350	No	Yes	Clean/Dry	NT	NT	NT	NT	NT	er 2 m	NA	None	No	Fail
The contractor decided to stop testing the sensor after it failed to respond for more than 2 minutes and replace it with a new sensor.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	4	NA	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	3	Product	Yes	Pass
Pump Sump	Unk	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	4	Product	Yes	Pass
Pump Sump	Veeder-Root	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	8	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	1	Both	NP	Pass
Pump Sump	Veeder-Root	Unk	Yes	Yes	Water	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Sump has 4-5 inches of water. Technician was waiting for maintinance to clean the water before putting back the sensor.															
Pump Sump	Veeder-Root	Unk	Yes	Yes	Water	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Sump has 4-5 inches of water. Technician was waiting for maintinance to clean the water before putting back the sensor.															
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	15	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	Unk	Product	Unk	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	10	5	Product	Yes	Pass	NT	NT	NT	NT	NT
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	6	4	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	6	4	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	15	10	Product	Yes	Pass	NT	NT	NT	NT	NT
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	15	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	6	4	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	15	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	15	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	8	2	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	Unk	Product	Unk	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	Unk	Product	Unk	Pass

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing*					*Flip Testing*				
						Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	Unk	Product	Unk	Pass
Tested six dispensers, all passed-alarms set (total of six triggers), all six sensors (VR 208) are working.															
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	NP	Pass
Flip Test- estimated response of 10 seconds															
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	8	2	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	8	2	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	8	2	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	8	2	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	8	2	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	15	10	Product	Yes	Pass	NT	NT	NT	NT	NT
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	6	4	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	10	5	Product	Yes	Pass	NT	NT	NT	NT	NT
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	NP	Pass
Flip Test- estimated response of 10 seconds															
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	NP	Pass
Flip Test- estimated response of 10 seconds															
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	NP	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	NA	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	NP	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	6	4	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	6	4	Product	Yes	Pass
UDC	Veeder-Root	Unk	Yes	Yes	Clean/Dry	20	20	Water	Yes	Pass	NT	NT	NT	NT	NT
Sensor timed out & Technician had to go and re-set it to shut down the pump. Technician conducts water and flip test in some of the sensors because the wire did not reach te water bucket.															
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	Unk	Product	Unk	Pass
UDC	Veeder-Root	Unk	Yes	Yes	Clean/Dry	20	25	Water	Yes	Pass	NT	NT	NT	NT	NT
Sensor timed out & Technician had to go and re-set it to shut down the pump. Technician conducts water and flip test in some of the sensors because the wire did not reach te water bucket.															
UDC	Veeder-Root	Unk	Yes	Yes	Clean/Dry	22	22	Water	Yes	Pass	NT	NT	NT	NT	NT
Sensor timed out & Technician had to go and re-set it to shut down the pump. Technician conducts water and flip test in some of the sensors because the wire did not reach the water bucket.															
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	Unk	Product	Unk	Pass

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
UDC	Veeder-Root	Unk	Yes	Yes	Clean/Dry	22	22	Water	Yes	Pass	NT	NT	NT	NT	NT
UDC	Veeder-Root	Unk	Yes	Yes	Clean/Dry	21	21	Water	Yes	Pass	NT	NT	NT	NT	NT
Sensor timed out & Technician had to go and re-set it to shut down the pump. Technician conducts water and flip test in some of the sensors because the wire did not reach te water bucket.															
UDC	Veeder-Root	Unk	Yes	Yes	Clean/Dry	25	22	Water	Yes	Pass	NT	NT	NT	NT	NT
Sensor timed out & Technician had to go and re-set it to shut down the pump. Technician conducts water and flip test in some of the sensors because the wire did not reach te water bucket.															
UDC	Veeder-Root	Unk	Yes	Yes	Clean/Dry	22	22	Water	Yes	Pass	NT	NT	NT	NT	NT
UDC	Veeder-Root	Unk	Yes	Yes	Clean/Dry	20	20	Unk	Unk	Unk	NT	NT	NT	NT	NT
Sensor timed out & Technician had to go and re-set it to shut down the pump. Technician conducts water and flip test in some of the sensors because the wire did not reach te water bucket.															
Unk	Veeder-Root	TLS-350	No	Yes	Water	NT	NT	NT	NT	NT	2	2	Product	No	Fail
Alarm activated at the control panel, but no pump shutdown. (printer said pump shutdown occurred, but pump continued to run. Picture of sensor is site 7 #2.). Follow up was done on this site and Inspector confirmed that the PSD is functioning properly.															
Vault	Gilbarco	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	NP	Pass
Single wall steel tank inside a Vault. Vapor recovery fill bucket is half way full of water.															
Sensor Model: 794380-209				**Operating Principle:** Float Switch											
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	12	Unk	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	12	Unk	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	12	Unk	Product	Yes	Pass
Sensor Model: 794380-300				**Operating Principle:** Float Switch											
Tank Interstice	Veeder-Root	TLS-300	NA	Yes	Brine-Filled	2	2	Water	NA	Pass	NT	NT	NT	NT	NT
Sensor Model: 794380-301				**Operating Principle:** Float Switch											
Tank Interstice	Veeder-Root	Simplicity	Yes	Yes	Brine-Filled	NT	NT	NT	NT	NT	6	1	Both	Yes	Pass
Tank Interstice	Veeder-Root	Simplicity	Yes	Yes	Brine-Filled	NT	NT	NT	NT	NT	6	1	Both	Yes	Pass
Tank Interstice	Veeder-Root	Simplicity	Yes	Yes	Brine-Filled	NT	NT	NT	NT	NT	6	1	Both	Yes	Pass
Sensor Model: 794380-302				**Operating Principle:** Float Switch											
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Brine-Filled	20	15	Water	NA	Pass	NT	NT	NT	NT	NT
Technician lifted sensor out of brine reservoir to activate the "low water level" alarm.															
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Brine-Filled	10	Unk	Low Brine Level	Yes	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Brine-Filled	10	Unk	Low Brine Level	Yes	Pass	NT	NT	NT	NT	NT

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Brine-Filled	20	15	Water	NA	Pass	NT	NT	NT	NT	NT
Technician lifted sensor out of brine reservoir to activate the "low water level" alarm.															
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Brine-Filled	30	10	Water	NA	Pass	NT	NT	NT	NT	NT
Technician lifted sensor out of brine reservoir to activate the "low water level" alarm.															
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Brine-Filled	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Brine-Filled	10	Unk	Low Brine Level	Yes	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Brine-Filled	30	10	Water	NA	Pass	NT	NT	NT	NT	NT
Technician lifted sensor out of brine reservoir to activate the "low water level" alarm.															
Sensor Model: 794380-408					**Operating Principle:** Float Switch										
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	6	Unk	Product	NP	Pass
Alarm set at the control panel, sensor is not programmed for pump shut down or dispenser shut down.															
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	6	Unk	Product	NP	Pass
Alarm set at the control panel, sensor is not programmed for pump shut down or dispenser shut down.															
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	6	Unk	Product	NP	Pass
Alarm set at the control panel, sensor is not programmed for pump shut down or dispenser shut down.															
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	6	Unk	Product	NP	Pass
Alarm set at the control panel, sensor is not programmed for pump shut down or dispenser shut down.															
Sensor Model: 794380-500					**Operating Principle:** Float Switch										
Tank Interstice	Veeder-Root	TLS-300	NA	Yes	Brine-Filled	2	2	Water	NA	Pass	NT	NT	NT	NT	NT
Sensor Model: 794390-205					**Operating Principle:** Float Switch										
Fill Sump	Veeder-Root	TLS-350	No	Yes	Product	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sump had oil in it. Sensor was raised above the oil, but alarmed when technician lowered it into the oil. Contractor was notified to pump out the oil that day.															
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	NA	Pass	NT	NT	NT	NT	NT
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	NA	Pass	NT	NT	NT	NT	NT
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	Unk	Product	NP	Pass
Fill Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	Yes	Pass
Sensor was Gilbarco equivalent of Veeder Root Model 794380-205. Cable was too short to test the sensor in liquid, so flip test was used.															
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	6	Product	NP	Pass
Fill Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	6	Product	NP	Pass

All times are recorded in seconds and heights in inches.

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Fill Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Sensor was Gilbarco equivalent of Veeder Root Model 794380-205. Cable was too short to test the sensor in liquid, so flip test was used.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	90	Unk	Product	NP	Pass
sensor is not programmed for positive shut down, only sets an audible alarm.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	8	6	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	6	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	25	5	Both	Yes	Pass
Some condensation on sump.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	90	Unk	Product	NP	Pass
sensor is not programmed for positive shut down, only sets an audible alarm.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	10	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	90	Unk	Product	NP	Pass
sensor is not programmed for positive shut down, only sets an audible alarm.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	5	Both	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Product	NT	NT	NT	NT	NT	5	1	Both	NP	Pass
1 inch of kerosene in sump; this sensor was tested with just an alarm first; retesting while running pump and the pump did not shut off.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	20	5	Both	Yes	Pass
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	Yes	Pass
Sensor was Gilbarco equivalent of Veeder Root Model 794380-205. Cable was too short to test the sensor in liquid, so flip test was used.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	20	10	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	5	Both	Yes	Pass
For this tank, there are two sumps, but only one sensor (the sumps are linked).															
Pump Sump	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Sensor was Gilbarco equivalent of Veeder Root Model 794380-205. Cable was too short to test the sensor in liquid, so flip test was used.															
Pump Sump	Veeder-Root	TLS-350	No	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	10	Product	Yes	Pass
Sensor was raised approximately 1 foot from bottom of the sump.															
Pump Sump	Veeder-Root	TLS-350	Unk	Yes	Water	NT	NT	NT	NT	NT	1	2	Product	Yes	Pass

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	Liquid Testing Resp	Liquid Testing Rec	Liquid Testing Alarm	Liquid Testing PSD	Liquid Testing Result	Flip Testing Resp	Flip Testing Rec	Flip Testing Alarm	Flip Testing PSD	Flip Testing Result
Pump Sump	Veeder-Root	TLS-350	Unk	Yes	Water	NT	NT	NT	NT	NT	5	2	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	10	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	1	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	1	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	20	5	Both	Yes	Pass
Diesel tank interstice 50m from sump.															
Tank Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	25	Unk	Product	NP	Pass
Suction system with tank top sump.															
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	1	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	1	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	1	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	1	Product	Yes	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	1	Product	Yes	Pass
Sensor Model: 794390-407					**Operating Principle:** Float Switch										
Tank Interstice	Veeder-Root	TLS-350	No	No	Clean/Dry	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
The sensor was located at the top of the tank, at the access port. The pull-string was broken. Inspector said sensor must be fixed immediately. The sensor was not functionally tested during this inspection. Afollow up was done & sensor was repaired.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Wrap-around sensor. Techician moved sensor toward top of tank until alarm sounded. Did not completely remove the sensor.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Wrap-around sensor. Techician moved sensor toward top of tank until alarm sounded. Did not completely remove the sensor.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Wrap-around sensor. Techician moved sensor toward top of tank until alarm sounded. Did not completely remove the sensor.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Unk	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	5	5	Product	NP	Fail
Sensor would not go into alarm until the techician shook it vigorously. Float was stuck. Interstice was moist, but not enough liquid to activate an alarm.															

All times are recorded in seconds and heights in inches.

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	NP	Pass
Technician pulled sensor around the tank until alarm activated, but did not fully remove the sensor from the annular space.															
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	10	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	Unk	Unk	Product	NP	Pass
Alarm was set during the removal of the sensor from the tank interstice.															
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	15	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	Unk	Unk	Product	NP	Pass
Alarm was set during the removal of the sensor from the tank interstice.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Unk	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	NP	Pass
Technician pulled sensor around the tank until alarm activated, but did not fully remove the sensor from the annular space.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Fail
Sensor would not go into alarm until the techician shook it vigorously. Float was stuck.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	NP	Pass
Technician pulled sensor around the tank until alarm activated, but did not fully remove the sensor from the annular space.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Unk	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	10	Product	NP	Pass
Technician pulled sensor around the tank until alarm activated, but did not fully remove the sensor from the annular space.															
Sensor Model: 794390-409				**Operating Principle:** Float Switch											
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	2	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Unk	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Unk	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Unk	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	9	Unk	Product	NP	Pass
Sensor is not set up for pump shut down.															
Tank Interstice	Veeder-Root	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	17	17	Product	Yes	Pass
Three tanks (1 split gasoline tank & 2 diesel tanks)															
Tank Interstice	Veeder-Root	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	20	20	Product	Yes	Pass

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	Liquid Testing					Flip Testing				
						Resp	Rec	Alarm	PSD	Result	Resp	Rec	Alarm	PSD	Result
Tank Interstice	Veeder-Root	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	20	20	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	Unk	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	Unk	Product	NP	Pass
Tested 4 of 409 sensors, all appeared to be dry and clean; alarms set for all sensors.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Unk	NT	NT	NT	NT	NT	10	10	Product	NP	Pass
Flip Test - Approximately 10 Seconds.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Unk	NT	NT	NT	NT	NT	10	10	Product	NP	Pass
Flip Test - Approximately 10 Seconds.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	Unk	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	Unk	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	15	Unk	Product	Unk	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	9	Unk	Product	NP	Pass
Sensor is not set up for pump shut down.															
Tank Interstice	Veeder-Root	TLS-350	Unk	Yes	Clean/Dry	NT	NT	NT	NT	NT	75	Unk	Product	NP	Fail
Sensor was wedged between the primary and secondary tank walls and cannot be removed to verify sensor type. Alarm was set at the control panel by pulling it. The response time was estimated because there was no way of knowing when sensor was triggered.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	45	Unk	Product	NP	Pass
Follow up was made on this site with the local agnecy and assured that next day, the contractor replaced the broken sensors. Inspector did not re-inspect, but received a report from the contractor indicating that the sensor is working properly.															
Tank Interstice	Veeder-Root	TLS-350	Unk	Unk	Clean/Dry	NT	NT	NT	NT	NT	None	Unk	None	NP	Fail
Sensor was wedged between the primary and secondary tank walls and cannot be removed to verify sensor type. Alarm was not set at the control panel by pulling it like the prevous two tanks.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	Unk	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Unk	NT	NT	NT	NT	NT	10	10	Product	NP	Pass
Flip Test - Approximately 10 Seconds.															

Sensor Model: 794390-420 **Operating Principle:** Float Switch

Piping Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
3 small steel pipes (1 for each generator) were run within one large steel pipe. The sensor monitors the large pipe, which stays dry unless the small pipes leak.															
Piping Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
3 small steel pipes (1 for each generator) were run within one large steel pipe. The sensor monitors the large pipe, which stays dry unless the small pipes leak.															
Piping Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
3 small steel pipes (1 for each generator) were run within one large steel pipe. The sensor monitors the large pipe, which stays dry unless the small pipes leak.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass

All times are recorded in seconds and heights in inches.

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	No	No	Water	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Waste oil contained oil/water around the tank sump. The sensor was not located in the lowest point.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	2	Product	Yes	Pass
The sump contained product.															
Pump Sump	Veeder-Root	TLS-320	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	2	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Water/Product	NT	NT	NT	NT	NT	10	5	Product	Yes	Pass
Sensor was sitting in 3-4 inches of water/product but was not in alarm. However, sensor activated alarm when flipped.															
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	NA	NA	Clean/Dry	NT	NT	NT	NT	NT	5	3	Product	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Unk	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Unk	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	NA	NA	Clean/Dry	NT	NT	NT	NT	NT	5	3	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Contractor mentioned that this type of sensors are constantly cracking and split out in age(chronic problem). Maybe it's a design problem.Even when sensors are cracked, contractor usually don't replace them.															
Tank Interstice	Veeder-Root	Unk	No	Yes	Water	NT	NT	NT	NT	NT	4	4	Product	Yes	Pass
Interstitial space is full of water. Technician could not put back the sensor without calling the maintenance to remove water. Sensor was not at lowest point and wire was wrapped up.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Sensor casing was corroded and cracked. This is a chronic problem with this model. Even when cracked, contractor does not replace them because they all tend to be like that after a while.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	Unk	No	Yes	Water	NT	NT	NT	NT	NT	4	4	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	NA	NA	Clean/Dry	NT	NT	NT	NT	NT	5	3	Product	NP	Pass
Tank Interstice	Veeder-Root	Unk	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	25	Unk	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	Unk	Product	NP	Pass

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	NP	Pass
Tank Interstice	Pneumeractor	LC-1000	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	NP	Pass
Tank Interstice	Pneumeractor	LC-1000	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Water	NT	NT	NT	NT	NT	5	Unk	Product	NP	Pass
Sensor was wet when removed from tank interstice. It is unknown how much liquid was in interstice.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	Unk	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	Unk	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	Unk	Product	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	Unk	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	Unk	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	Unk	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	Unk	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	NA	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	NA	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	3	3	Product	NA	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	10	Unk	Product	NP	Pass
.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	Unk	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Tank Interstice	Veeder-Root	TLS-300	No	Yes	Clean/Dry	NT	NT	NT	NT	NT	30	Unk	Product	NP	Pass
This sensor is for steel tanks, and could not be wrapped around the FG tank. Local agency instructed owner to replace.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	None	NA	Both	NP	Fail
Original sensor was stuck in the interstice because of rust on casing; sensor was replaced. New sensor passed test.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	5	5	Product	Yes	Pass	NT	NT	NT	NT	NT
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Both	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Both	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	Unk	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Steel sensor casing was split.															
Tank Interstice	Gilbarco	EMC	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Steel sensor casing was split.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	3	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	1	1	Both	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	3	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	3	3	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	NA	Yes	Clean/Dry	NT	NT	NT	NT	NT	None	NA	None	NP	Fail
The sensor was missing the float. Follow up was made with local agency and confirmed that the technician repaired the sensor. However, inspector did not peform re-inspection.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass

Sensor Location	Panel Make	Panel Model	At Low Point	Wiring OK	Condition of Location	*Liquid Testing* Resp	Rec	Alarm	PSD	Result	*Flip Testing* Resp	Rec	Alarm	PSD	Result
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Sensor housing (steel bell) was split.															
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	2	2	Product	Yes	Pass
Sensor Model: 794390-460				**Operating Principle:** Float Switch											
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
Tank Interstice	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	5	5	Product	NP	Pass
UDC	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	4	1	Product	Yes	Pass
Sensor Model: 847990-001				**Operating Principle:** Float Switch											
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	20	5	Both	Yes	Pass
Pump Sump	Veeder-Root	TLS-350	Yes	Yes	Clean/Dry	NT	NT	NT	NT	NT	20	5	Both	Yes	Pass
UDC	Dispenser Cut-off	Unk	Yes	Yes	Clean/Dry	1	MR	Unk	NA	Pass	NT	NT	NT	NT	NT
The sensor cuts power to dispensers. Dispenser had to be manually reset to clear alarm.															
UDC	Dispenser Cut-off	Unk	Yes	Yes	Clean/Dry	2	MR	Unk	NA	Pass	NT	NT	NT	NT	NT
The sensor cuts power to dispensers. Dispenser had to be manually reset to clear alarm.															
UDC	Dispenser Cut-off	Unk	Yes	Yes	Clean/Dry	3	MR	Unk	NA	Pass	NT	NT	NT	NT	NT
The sensor cuts power to dispensers. Dispenser had to be manually reset to clear alarm.															
UDC	Dispenser Cut-off	Unk	Yes	Yes	Clean/Dry	2	MR	Unk	NA	Pass	NT	NT	NT	NT	NT
The sensor cuts power to dispensers. Dispenser had to be manually reset to clear alarm.															

Sensor Make: Warrick Controls

Sensor Model: DLP-1-NC				**Operating Principle:** Float Switch											
Pump Sump	Warrick	Unk	Yes	Yes	Water	NT	NT	NT	NT	NT	None	NA	None	NP	Fail
Sensor was sitting in water and not alarmed. Contractor shook sensor and float moved activating the alarm. Sensor passed retest after 1-2 second alarm response.															
Pump Sump	Warrick	Unk	Yes	Yes	Water	NT	NT	NT	NT	NT	Unk	Unk	Both	NP	Pass

APPENDIX VI, TABLE 3
Field Data for Discriminating Sensors

TABLE 3 - Field Data for Discriminating Sensors

Low Water Test					High Water Test					Product Testing					Flip Testing				
Resp	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**
Sensor Make: Alpha wire																			
Sensor Model		Unk																	
NT	NT	NT	NT	NT	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	60	60	Product	NP	Pass
NT	NT	NT	NT	NT	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	None	NA	None	NP	Fail
Sensor Make: Emco																			
Sensor Model		Q0003-001																	
60	Unk	Water	NA	Pass	60	Unk	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local agency did not require discriminating sensors to be tested in product.																			
60	Unk	Water	NA	Pass	60	Unk	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local agency did not require discriminating sensors to be tested in product.																			
60	Unk	Water	NA	Pass	60	Unk	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local agency did not require discriminating sensors to be tested in product.																			
60	Unk	Water	NA	Pass	60	Unk	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local agency did not require discriminating sensors to be tested in product.																			
60	Unk	Water	NA	Pass	60	Unk	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local agency did not require discriminating sensors to be tested in product.																			
Sensor Model		Q0003-002																	
60	Unk	Water	NA	Pass	60	Unk	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local agency did not require discriminating sensors to be tested in product.																			
60	60	Water	NA	Pass	60	60	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local agency did not require discriminating sensors to be tested in product.																			
60	60	Water	NA	Pass	60	60	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local agency did not require discriminating sensors to be tested in product.																			
60	Unk	Water	NA	Pass	60	Unk	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local agency did not require discriminating sensors to be tested in product.																			
60	Unk	Water	NA	Pass	60	Unk	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local agency did not require discriminating sensors to be tested in product.																			
60	Unk	Water	NA	Pass	60	Unk	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local agency did not require discriminating sensors to be tested in product.																			
Sensor Make: Incon																			
Sensor Model		TSP-DIS																	
4	Unk	Both	Yes	Pass	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA

All times are recorded in seconds and heights in inches.

Low Water Test					High Water Test					Product Testing					Flip Testing				
Resp	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**
Sensor Make: Mallory Controls																			
Sensor Model	Pollulert FD 221GTRA																		
10	Dry	Water	NA	Pass	NA	NA	NA	NA	NA	10	Dry	Product	NA	Pass	NA	NA	NA	NA	NA
Sensor had to be wiped dry to come out of alarm.																			
10	Dry	Water	NA	Pass	NA	NA	NA	NA	NA	10	Dry	Product	NA	Pass	NA	NA	NA	NA	NA
Sensor had to be wiped dry to come out of alarm.																			
10	Dry	Water	NA	Pass	NA	NA	NA	NA	NA	10	Dry	Product	NA	Pass	NA	NA	NA	NA	NA
Sensor had to be wiped dry to come out of alarm.																			
Sensor Model	Pollulert MD 241RRA																		
10	Dry	Water	NA	Pass	NA	NA	NA	NA	NA	10	Dry	Product	NA	Pass	NA	NA	NA	NA	NA
Sensor had to be wiped dry to come out of alarm.																			
10	Dry	Water	NA	Pass	NA	NA	NA	NA	NA	10	Dry	Product	NA	Pass	NA	NA	NA	NA	NA
Sensor had to be wiped dry to come out of alarm.																			
10	Dry	Water	NA	Pass	NA	NA	NA	NA	NA	10	Dry	Product	NA	Pass	NA	NA	NA	NA	NA
Sensor had to be wiped dry to come out of alarm.																			
NT	NT	NT	NT	NT	NA	NA	NA	NA	NA	10	10	Product	Yes	Pass	NA	NA	NA	NA	NA
NT	NT	NT	NT	NT	NA	NA	NA	NA	NA	NA	NA	None	No	Fail	NA	NA	NA	NA	NA
Sensor failed the test, but the company is out of business.So, owner might have to change the system. Inspector gave the owner two weeks to fix it or replace It.																			
NT	NT	NT	NT	NT	NA	NA	NA	NA	NA	20	10	Product	Yes	Pass	NA	NA	NA	NA	NA
Sensor Make: Red Jacket																			
Sensor Model	RE400-203																		
1	1	Water	NA	Pass	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
1	1	Water	NA	Pass	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
1	1	Water	NA	Pass	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
1	1	Water	NA	Pass	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
1	1	Water	NA	Pass	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
1	1	Water	NA	Pass	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	NA	NA	NA	NA	NA
Sensor Make: Veeder-Root																			
Sensor Model	794380-320																		
Unk	Unk	Unk	Unk	Unk	2	5	Water	Unk	Pass	383	1030	Product	Unk	Pass	NA	NA	NA	NA	NA
Unk	Unk	Unk	Unk	Unk	1	7	Water	Unk	Pass	395	962	Product	Unk	Pass	NA	NA	NA	NA	NA
Sensor Model	794380-322																		

All times are recorded in seconds and heights in inches.

Low Water Test					High Water Test					Product Testing					Flip Testing				
Resp	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**
5	Unk	Water	NA	Pass	5	5	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Technician flipped the sensor, activating both low and high water alarms at the same time.																			
Sensor Model	794380-341																		
NT	NT	NT	NT	NT	5	1	Water	Yes	Pass	5	1	Product	Yes	Pass	NA	NA	NA	NA	NA
When placed in fuel, alarms went off as water - pump shut-down worked; waste oil sensor failed, replaced and recorded on separate sheet.																			
10	10	Water	Yes	Pass	NA	NA	NA	NA	NA	10	10	Water	Yes	Fail	NA	NA	NA	NA	NA
Technician had to clean the sensor with a rag completely (especially in the small window at sensor's center) before fuel could be detected. After cleaning sensor did detect fuel.																			
10	10	Water	Yes	Pass	NA	NA	NA	NA	NA	10	10	Water	Yes	Fail	NA	NA	NA	NA	NA
Technician had to clean the sensor with a rag completely (especially in the small window at sensor's center) before fuel could be detected. After cleaning sensor did detect fuel.																			
10	10	Water	Yes	Pass	NA	NA	NA	NA	NA	10	10	Water	Yes	Fail	NA	NA	NA	NA	NA
Technician had to clean the sensor with a rag completely (especially in the small window at sensor's center) before fuel could be detected. After cleaning sensor did detect fuel.																			
Unk	Unk	Unk	Unk	Unk	NA	NA	NA	NA	NA	NA	NA	None	Unk	Fail	NA	NA	NA	NA	NA
Unk	Unk	Unk	Unk	Unk	NA	NA	NA	NA	NA	2	2	Product	Unk	Pass	NA	NA	NA	NA	NA
Unk	Unk	Unk	Unk	Unk	NA	NA	NA	NA	NA	2570	4240	Product	Unk	Pass	NA	NA	NA	NA	NA
Unk	Unk	Unk	Unk	Unk	NA	NA	NA	NA	NA	5	5	Product	Unk	Pass	NA	NA	NA	NA	NA
3	3	Water	Yes	Pass	NA	NA	NA	NA	NA	3	3	Product	Yes	Pass	NA	NA	NA	NA	NA
12	1	Water	NA	Pass	NA	0	NA	NA	NA	13	Unk	Water	No	Fail	NA	NA	NA	NA	NA
Sensor sets water alarm for product test. After testing the sensor was replaced and the new sensor was setting the right alarm.																			
NT	NT	NT	NT	NT	5	1	Water	Yes	Pass	5	1	Product	Yes	Pass	NA	NA	NA	NA	NA
NT	NT	NT	NT	NT	5	1	Water	Yes	Pass	5	1	Product	Yes	Pass	NA	NA	NA	NA	NA
NT	NT	NT	NT	NT	NA	NA	NA	NA	NA	Unk	Unk	None	No	Fail	NA	NA	NA	NA	NA
Replaced with same type of sensor.																			
3	2	Both	Yes	Pass	NA	NA	NA	NA	NA	3	2	Both	Yes	Pass	NA	NA	NA	NA	NA
Sensor had been programmed to give the same alarm in water and product.																			
3	2	Both	Yes	Pass	NA	NA	NA	NA	NA	3	2	Both	Yes	Pass	NA	NA	NA	NA	NA
Sensor had been programmed to give the same alarm in water and product.																			
3	2	Both	Yes	Pass	NA	NA	NA	NA	NA	3	2	Both	Yes	Pass	NA	NA	NA	NA	NA
Sensor had been programmed to give the same alarm in water and product.																			
3	3	Water	Yes	Pass	NA	NA	NA	NA	NA	3	3	Water	Yes	Fail	NA	NA	NA	NA	NA
Detected product as water. Since pump shuts down for product or water, Local Agency did not require sensor to be changed. Owner will replace sensor or re-program as non-discriminating.																			
12	1	Water	NA	Pass	NA	0	NA	NA	NA	13	Unk	Product	Yes	Pass	NA	NA	NA	NA	NA
Unk	Unk	Unk	Unk	Unk	NA	NA	NA	NA	NA	2	2	Product	Unk	Pass	NA	NA	NA	NA	NA
12	1	Water	NA	Pass	NA	0	NA	NA	NA	12	Unk	Water	No	Fail	NA	NA	NA	NA	NA
Sensor sets water alarm for product test. After testing, sensor was replaced and the new sensor was setting the right alarm.																			
NT	NT	NT	NT	NT	NA	0	NA	NA	NA	13	Unk	Water	NA	Fail	NA	NA	NA	NA	NA
Sensor was tested with both unleaded gasoline and waste oil. Both cases, water alarms were observed. Sensor was not approved for use in waste oil. After testing, sensor was replaced and it passed the product test.																			

All times are recorded in seconds and heights in inches.

Low Water Test					*High Water Test*					*Product Testing*					*Flip Testing*				
Resp	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**
Unk	Unk	Unk	Unk	Unk	NA	NA	NA	NA	NA	NA	NA	None	Unk	Fail	NA	NA	NA	NA	NA
Unk	Unk	Unk	Unk	Unk	3	10	Water	Unk	Pass	358	2450	Product	Unk	Pass	NA	NA	NA	NA	NA
Unk	Unk	Unk	Unk	Unk	NA	NA	NA	NA	NA	4	10	Product	Unk	Pass	NA	NA	NA	NA	NA
Unk	Unk	Unk	Unk	Unk	NA	NA	NA	NA	NA	417	1055	Product	Unk	Pass	NA	NA	NA	NA	NA
3	3	Water	Yes	Pass	NA	NA	NA	NA	NA	3	3	Water	Yes	Fail	NA	NA	NA	NA	NA
Detected product as water. Since pump shuts down for product or water, Local Agency did not require sensor to be changed. Owner will replace sensor or reprogram as non-discriminating.																			
Sensor Model		794380-350																	
5	5	Water	NA	Pass	5	5	Water	Yes	Pass	360	465	Product	Yes	Pass	NA	NA	NA	NA	NA
Technician left sensor in product for 2min & 45sec. He rinsed the sensor with soapy water after alarm activated to speed up recovery time.																			
1	1	Water	NA	Pass	5	5	Water	Yes	Pass	360	765	Product	Yes	Pass	NA	NA	NA	NA	NA
Technician left sensor in product for 2min & 45sec. He rinsed the sensor with soapy water after alarm activated to speed up recovery time.																			
2	2	Water	NA	Pass	2	2	Water	Yes	Pass	300	480	Product	Yes	Pass	NA	NA	NA	NA	NA
2	2	Water	NA	Pass	2	Unk	Water	Yes	Pass	480	Non	Product	Yes	Fail	NA	NA	NA	NA	NA
Sensor did not come out of alarm after being tested in product, so technician replaced it.																			
2	2	Water	NA	Pass	None	Non	None	No	Fail	none	Unk	None	No	Fail	NA	NA	NA	NA	NA
Sensor did not respond during high water or product testing. Technician suspected wiring problem, since sensor was replaced but test results did not change.																			
2	2	Water	NA	Pass	2	2	Water	Yes	Pass	180	NA	Product	Yes	Pass	NA	NA	NA	NA	NA
2	2	Water	NA	Pass	2	2	Water	No	Fail	Unk	Unk	Product	No	Fail	NA	NA	NA	NA	NA
Technician suspected a problem with the wiring at this site.																			
5	5	Water	NA	Pass	5	5	Water	NA	Pass	480	300	Product	Yes	Pass	NA	NA	NA	NA	NA
Technician left sensor in product for 2min & 45sec. He rinsed the sensor with soapy water after alarm activated to speed up recovery time.																			
1	1	Water	NA	Pass	5	5	Water	Yes	Pass	330	600	Product	Yes	Pass	NA	NA	NA	NA	NA
Technician left sensor in product for 2min & 45sec. He rinsed the sensor with soapy water after alarm activated to speed up recovery time.																			
5	Unk	Water	NA	Pass	2	2	Water	Yes	Pass	300	600	Product	Yes	Pass	NA	NA	NA	NA	NA
Sensors were left in fuel for 3 minutes. They alarm 2-5 minutes after being pulled from fuel. This speeds up recovery time.																			
5	5	Water	NA	Pass	5	5	Water	Yes	Pass	300	360	Product	Yes	Pass	NA	NA	NA	NA	NA
Technician left sensor in product for 2min & 45sec. He rinsed the sensor with soapy water after alarm activated to speed up recovery time.																			
5	5	Water	NA	Pass	5	5	Water	Yes	Pass	330	420	Product	Yes	Pass	NA	NA	NA	NA	NA
Technician left sensor in product for 2min & 45sec. He rinsed the sensor with soapy water after alarm activated to speed up recovery time.																			
5	5	Water	NA	Pass	5	5	Water	NA	Pass	300	540	Product	Yes	Pass	NA	NA	NA	NA	NA
Technician left sensor in product for 2min & 45sec. He rinsed the sensor with soapy water after alarm activated to speed up recovery time.																			
5	5	Water	NA	Pass	5	5	Water	NA	Pass	720	360	Product	Yes	Pass	NA	NA	NA	NA	NA
Technician left sensor in product for 2min & 45sec. He rinsed the sensor with soapy water after alarm activated to speed up recovery time.																			
5	5	Water	NA	Pass	5	5	Water	NA	Pass	360	1500	Product	Yes	Pass	NA	NA	NA	NA	NA
Technician left sensor in product for 2min & 45sec. He rinsed the sensor with soapy water after alarm activated to speed up recovery time.																			
5	Unk	Water	NA	Pass	2	2	Water	Yes	Pass	420	720	Product	Yes	Pass	NA	NA	NA	NA	NA
Sensors were left in fuel for 3 minutes. They alarm 2-5 minutes after being pulled from fuel. This speeds up recovery time.																			

Low Water Test					*High Water Test*					*Product Testing*					*Flip Testing*				
Resp	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**
1	1	Water	NA	Pass	5	5	Water	Yes	Pass	300	540	Product	Yes	Pass	NA	NA	NA	NA	NA
Technician left sensor in product for 2min & 45sec. He rinsed the sensor with soapy water after alarm activated to speed up recovery time.																			
7	1	Water	NA	Pass	3	1	Water	Yes	Pass	360	720	Product	Yes	Pass	NA	NA	NA	NA	NA
For product test, sensor was left in fuel for 3 minutes.																			
NT	NT	NT	NT	NT	5	1	Water	Yes	Pass	360	900	Product	Yes	Pass	NA	NA	NA	NA	NA
NT	NT	NT	NT	NT	5	1	Water	Yes	Pass	360	900	Product	Yes	Pass	NA	NA	NA	NA	NA
NT	NT	NT	NT	NT	5	1	Water	Yes	Pass	360	900	Product	Yes	Pass	NA	NA	NA	NA	NA
NT	NT	NT	NT	NT	5	1	Water	Yes	Pass	840	Unk	Product	Yes	Pass	NA	NA	NA	NA	NA
Takes longer for this sensor to alarm because often left sitting in water.																			
7	1	Water	NA	Pass	5	1	Water	Yes	Pass	300	300	Product	Yes	Pass	NA	NA	NA	NA	NA
For product test, sensor was left in fuel for 3 minutes.																			
7	1	Water	NA	Pass	4	1	Water	Yes	Pass	360	590	Product	Yes	Pass	NA	NA	NA	NA	NA
For product test, sensor was left in fuel for 3 minutes.																			
7	1	Water	NA	Pass	5	1	Water	Yes	Pass	360	660	Product	Yes	Pass	NA	NA	NA	NA	NA
For product test, sensor was left in fuel for 3 minutes.																			
Unk	Unk	Unk	Unk	Unk	4	5	Water	Unk	Pass	238	3531	Product	Unk	Pass	NA	NA	NA	NA	NA
7	1	Water	NA	Pass	6	1	Water	Yes	Pass	360	1020	Product	Yes	Pass	NA	NA	NA	NA	NA
For product test, sensor was left in fuel for 3 minutes.																			
5	Unk	Water	NA	Pass	2	2	Water	Yes	Pass	300	600	Product	Yes	Pass	NA	NA	NA	NA	NA
Sensors were left in fuel for 3 minutes. They alarm 2-5 minutes after being pulled from fuel. This speeds up recovery time.																			
Unk	Unk	Unk	Unk	Unk	2	10	Water	Unk	Pass	365	1100	Product	Unk	Pass	NA	NA	NA	NA	NA
Unk	Unk	Unk	Unk	Unk	4	7	Water	Unk	Pass	357	890	Product	Unk	Pass	NA	NA	NA	NA	NA
2	2	Water	NA	Pass	2	2	Water	No	Fail	Unk	Unk	Product	No	Fail	NA	NA	NA	NA	NA
Sensor alarmed, but failed PSD. Problem with the relay is suspected.																			
Unk	Unk	Unk	Unk	Unk	3	9	Water	Unk	Pass	206	1390	Product	Unk	Pass	NA	NA	NA	NA	NA
5	Unk	Water	NA	Pass	2	2	Water	Yes	Pass	300	600	Product	Yes	Pass	NA	NA	NA	NA	NA
Sensors were left in fuel for 3 minutes. They alarm 2-5 minutes after being pulled from fuel. This speeds up recovery time.																			
5	5	Water	NA	Pass	5	5	Water	NA	Pass	420	420	Product	Yes	Pass	NA	NA	NA	NA	NA
Technician left sensor in product for 2min & 45sec. He rinsed the sensor with soapy water after alarm activated to speed up recovery time.																			
Unk	Unk	Unk	Unk	Unk	5	10	Water	Unk	Pass	318	1189	Product	Unk	Pass	NA	NA	NA	NA	NA
5	Unk	Water	NA	Pass	2	2	Water	Yes	Pass	420	720	Product	Yes	Pass	NA	NA	NA	NA	NA
Sensors were left in fuel for 3 minutes. They alarm 2-5 minutes after being pulled from fuel. This speeds up recovery time.																			
7	1	Water	NA	Pass	6	1	Water	Yes	Pass	300	483	Product	Yes	Pass	NA	NA	NA	NA	NA
For product test, sensor was left in fuel for 3 minutes.																			
Unk	Unk	Unk	Unk	Unk	4	9	Water	Unk	Pass	3009	6120	Product	Unk	Pass	NA	NA	NA	NA	NA
5	Unk	Water	NA	Pass	2	2	Water	Yes	Pass	300	600	Product	Yes	Pass	NA	NA	NA	NA	NA
Sensors were left in fuel for 3 minutes. They alarm 2-5 minutes after being pulled from fuel. This speeds up recovery time.																			

Low Water Test					*High Water Test*					*Product Testing*					*Flip Testing*				
Resp	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**
Sensor Model			794380-352																
3	1	Both	Yes	Pass	3	1	Both	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
6	1	Both	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sensors were tested as a non-discriminating float sensor.																			
6	1	Both	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sensors were tested as a non-discriminating float sensor.																			
NT	NT	NT	NT	NT	5	1	Both	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
These sensors were located in the fill sump, in the overfill bucket.																			
NT	NT	NT	NT	NT	1	1	Both	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
These sensors were located in the fill sump, in the overfill bucket.																			
NT	NT	NT	NT	NT	5	1	Both	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
These sensors were located in the fill sump, in the overfill bucket.																			
3	1	Both	Yes	Pass	3	1	Both	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
10	5	Water	NA	Pass	10	5	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Flip test activated both low and high liquid alarms. Technician did not test the sensor in product.																			
10	5	Water	NA	Pass	10	5	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Flip test activated both low and high liquid alarms. Technician did not test the sensor in product.																			
10	5	Water	NA	Pass	10	5	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Flip test activated both low and high liquid alarms. Technician did not test the sensor in product.																			
15	5	Water	NA	Pass	15	5	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Flip test activated both low and high liquid alarms. Technician did not test the sensor in product. Water in sump was not high enough to activate the alarm.																			
5	Unk	Water	NA	Pass	5	Unk	Water	Unk	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local agency did not test discriminating sensors in product. Both low and high level alarms were activated by flipping the sensor.																			
5	Unk	Water	NA	Pass	5	Unk	Water	Unk	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Local agency did not test discriminating sensors in product. Both low and high level alarms were activated by flipping the sensor.																			
Unk	Unk	None	No	Fail	3	1	Both	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sensor's low float did not activate (would not reset). Sensor was replaced by the owner without informing the local agecy nor the contractor who does the routine inspection. Apparently, they did not retest sensor's functinality.																			
Unk	Unk	Unk	Unk	Unk	10	17	Water	Unk	Pass	425	2435	Product	Unk	Pass	NT	NT	NT	NT	NT
Cleaned in Coleman Fuel.																			
Unk	Unk	Unk	Unk	Unk	8	16	Water	Unk	Pass	446	1548	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	12	18	Water	Unk	Pass	468	960	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	4	10	Water	Unk	Pass	452	960	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	6	11	Water	Unk	Pass	NA	NA	Water	Unk	Fail	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	NT	NT	NT	NT	NT	543	570	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	10	18	Water	Unk	Pass	275	2595	Product	Unk	Pass	NT	NT	NT	NT	NT
Cleaned in Coleman Fuel.																			

Low Water Test					*High Water Test*					*Product Testing*					*Flip Testing*				
Resp	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**
6	1	Both	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sensors were tested as a non-discriminating float sensor.																			
Unk	Unk	Unk	Unk	Unk	7	13	Water	Unk	Pass	425	1413	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	6	16	Water	Unk	Pass	435	2040	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	9	22	Water	Unk	Pass	530	2040	Product	Unk	Pass	NT	NT	NT	NT	NT
Cleaned in Coleman Fuel.																			
Unk	Unk	Unk	Unk	Unk	4	14	Water	Unk	Pass	355	1640	Product	Unk	Pass	NT	NT	NT	NT	NT
Cleaned in Coleman Fuel.																			
Unk	Unk	Unk	Unk	Unk	5	13	Water	Unk	Pass	414	1240	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	5	12	Water	Unk	Pass	379	1143	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	6	16	Water	Unk	Pass	429	1166	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	8	21	Water	Unk	Pass	422	1320	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	5	12	Water	Unk	Pass	425	1271	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	4	9	Water	Unk	Pass	483	1229	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	7	13	Water	Unk	Pass	299	573	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	4	13	Water	Unk	Pass	318	481	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	4	11	Water	Unk	Pass	397	690	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	6	10	Water	Unk	Pass	489	1190	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	5	11	Water	Unk	Pass	539	1631	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	4	9	Water	Unk	Pass	474	1299	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	9	15	Water	Unk	Pass	495	1256	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	6	14	Water	Unk	Pass	Unk	813	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	6	16	Water	Unk	Pass	335	2010	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	2	12	Water	Unk	Pass	470	1078	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	4	11	Water	Unk	Pass	350	3499	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	5	10	Water	Unk	Pass	459	1769	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	6	14	Water	Unk	Pass	462	2206	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	5	11	Water	Unk	Pass	453	930	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	6	13	Water	Unk	Pass	440	1140	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	8	19	Water	Unk	Pass	420	1851	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	5	13	Water	Unk	Pass	540	1760	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	9	11	Water	Unk	Pass	360	1500	Product	Unk	Pass	NT	NT	NT	NT	NT

Low Water Test					*High Water Test*					*Product Testing*					*Flip Testing*				
Resp	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**
Unk	Unk	Unk	Unk	Unk	8	21	Water	Unk	Pass	354	1807	Product	Unk	Pass	NT	NT	NT	NT	NT
NT	NT	NT	NT	NT	5	5	Water	Yes	Pass	NT	NT	NT	NT	NT	5	5	Water	Yes	Pass
Sensor was programmed for PSD on high-liquid only, not product. Technician re-programmed for PSD on low, high, and product.																			
NT	NT	NT	NT	NT	5	5	Water	Yes	Pass	NT	NT	NT	NT	NT	3	5	Water	Yes	Pass
Sensor was programmed for PSD on high-liquid only, not product. Technician re-programmed for PSD on low, high, and product.																			
NT	NT	NT	NT	NT	5	5	Water	Yes	Pass	NT	NT	NT	NT	NT	3	5	Water	Yes	Pass
Sensor was programmed for PSD on high-liquid only, not product. Technician re-programmed for PSD on low, high, and product.																			
NT	NT	NT	NT	NT	5	5	Water	Yes	Pass	NT	NT	NT	NT	NT	5	5	Water	Yes	Pass
Sensor was programmed for PSD on high-liquid only, not product. Technician re-programmed for PSD on low, high, and product.																			
NT	NT	NT	NT	NT	5	5	Water	Yes	Pass	NT	NT	NT	NT	NT	5	Unk	Water	NP	Pass
10	2	Water	NA	Pass	2	2	Water	Yes	Pass	260	Unk	Product	Yes	Pass	NT	NT	NT	NT	NT
Programmed for "high vapor mode".																			
NT	NT	NT	NT	NT	5	5	Water	Yes	Pass	NT	NT	NT	NT	NT	5	Unk	Water	NP	Pass
3	3	Water	NA	Pass	2	2	Water	Yes	Pass	240	Unk	Product	Yes	Pass	NT	NT	NT	NT	NT
Programmed for "high vapor mode". Sensor intermittently activated "sensor out" alarm when being moved. Technician suspected a short in wiring where cable attaches to sensor.																			
Unk	Unk	Unk	Unk	Unk	5	14	Water	Unk	Pass	730	1276	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	13	21	Water	Unk	Pass	480	600	Product	Unk	Pass	NT	NT	NT	NT	NT
NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Wiring malfunctioning.																			
NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Wiring malfunctioning.																			
NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
NT	NT	NT	NT	NT	60	5	Water	Yes	Pass	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
NT	NT	NT	NT	NT	NA	NA	NA	NA	NA	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Had 2 bad relays that had to be fixed.																			
NT	NT	NT	NT	NT	10	5	Water	Yes	Pass	NT	NT	NT	NT	NT	5	Unk	Water	NP	Pass
Unk	Unk	Unk	Unk	Unk	10	24	Water	Unk	Pass	520	1769	Product	Unk	Pass	NT	NT	NT	NT	NT
NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Had 2 bad relays that had to be fixed.																			
Unk	Unk	Unk	Unk	Unk	13	24	Water	Unk	Pass	420	1978	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	18	25	Water	Unk	Pass	385	1470	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	12	25	Water	Unk	Pass	412	1920	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	12	25	Water	Unk	Pass	400	1695	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	15	28	Water	Unk	Pass	335	2281	Product	Unk	Pass	NT	NT	NT	NT	NT
NT	NT	NT	NT	NT	5	5	Water	Yes	Pass	NT	NT	NT	NT	NT	5	5	Water	Yes	Pass
Sensor was programmed for PSD on high-liquid only, not product. Technician re-programmed for PSD on low, high, and product.																			

Low Water Test					*High Water Test*					*Product Testing*					*Flip Testing*				
Resp	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**	**Resp**	**Rec**	**Alarm**	**PSD**	**Result**
Unk	Unk	Unk	Unk	Unk	16	30	Water	Unk	Pass	Unk	Unk	Product	Unk	Pass	NT	NT	NT	NT	NT
Emergency shut-off activated during testing, so no data was available.																			
Unk	Unk	Unk	Unk	Unk	8	19	Water	Unk	Pass	420	1625	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	9	19	Water	Unk	Pass	NA	NA	None	Unk	Fail	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	6	15	Water	Unk	Pass	600	2120	Product	Unk	Pass	NT	NT	NT	NT	NT
Unk	Unk	Unk	Unk	Unk	10	18	Water	Unk	Pass	600	2120	Product	Unk	Pass	NT	NT	NT	NT	NT
15	Unk	Water	NA	Pass	5	Unk	Water	Yes	Pass	300	Unk	Product	Yes	Pass	NT	NT	NT	NT	NT
15	Unk	Water	NA	Pass	6	Unk	Water	Yes	Pass	390	Unk	Product	Yes	Pass	NT	NT	NT	NT	NT
15	2	Water	NA	Pass	15	3	Water	Yes	Pass	270	Unk	Product	Yes	Pass	NT	NT	NT	NT	NT
2	2	Product	Yes	Pass	2	2	Product	Yes	Pass	3	Unk	Product	Yes	Pass	NT	NT	NT	NT	NT
Programmed for "high vapor mode". Sensor was saturated with product vapors, so any liquid moving low or high float registrered as a product alarm.																			
Unk	Unk	Unk	Unk	Unk	16	41	Water	Unk	Pass	450	1559	Product	Unk	Pass	NT	NT	NT	NT	NT